



Vanasse Hangen Brustlin, Inc.

July 14, 2009

Connecticut Department of Environmental Protection  
Waste Management Bureau: WEED-District 1  
79 Elm Street  
Hartford, CT 06106

Attention Mr. Dave Ringquist

RE: 2009 - First Sampling Event  
Former Envirite RCRA Facility  
Old Waterbury Road  
Thomaston, Connecticut

Dear Mr. Ringquist:

This report documents the observations and analytical results of the first sampling event of 2009 at the former Envirite site located in Thomaston, Connecticut. Monitoring and sampling of select site groundwater monitoring wells was conducted on April 28, 2009. This sampling event was conducted as part of a post-closure monitoring program for the landfill. Figure 1 shows the location of the wells and inferred groundwater contours for the April 28, 2009 sampling event. Tables 1 through 4 present field data, laboratory analytical results, and comparisons with potentially applicable Connecticut Department of Environmental Protection (CTDEP) cleanup criteria (based on the Remediation Standard Regulations and Water Quality Standards).

**GROUNDWATER SAMPLING AND ANALYSIS**

Vanasse Hangen Brustlin, Inc. (VHB) personnel collected the samples, and Phoenix Environmental Laboratories, Inc. (Phoenix), a Connecticut certified laboratory, analyzed the samples. Sampling and analytical procedures were performed according to Envirite's revised Post-Closure Plan, dated April 1987, as approved by the United States Environmental Protection Agency (USEPA) and CTDEP. Samples from RCRA quarterly monitoring wells were analyzed in the field for specific conductivity, pH, and temperature. Phoenix analyzed the samples for volatile organic compounds (VOCs) and selected inorganic constituents. A complete parameter list for these samples is provided on the laboratory data sheets included in the Appendix. Samples were analyzed according to USEPA Method 8260 and by additional methods described in "Test Methods for Evaluating Solid Waste" USEPA SW-846, 1996 and "Standard Methods for Examination of Water and Wastewater", APHA-AWWA-WPCF, 1995. The sampling and analytical protocols used were consistent with Envirite's post-closure plan and subsequent revisions including the response to the EPA's review and comment of Envirite's groundwater assessment plan (May 18, 1992).

Quality control samples included a duplicate sample (from monitoring well MW-42S), a field blank, a trip blank (for VOCs only), and an equipment blank. Water samples were collected in appropriate, laboratory-supplied containers and preserved according to the approved Post-Closure Plan. The VHB field log is presented in the Appendix.

VHB collected surface water samples from Branch Brook at locations upstream and downstream of the Envirite site.

## ANALYTICAL RESULTS

Tables 1 and 2 summarize the results of analyses for the RCRA quarterly monitoring for wells located in GB and GA areas, respectively. The analytical data for the surface water samples and the quality control samples are presented in Tables 3 and 4, respectively. The tables summarize data for VOCs, dissolved metals, ammonia, chloride, cyanide (total), nitrate, nitrite, phenols, sulfate, total dissolved solids (TDS), total suspended solids (TSS), total organic carbon (TOC), and total organic halides (TOX). Field measured parameters of pH and specific conductance are also summarized in Tables 1 through 4.

The CTDEP Remediation Standard Regulations (RSRs)<sup>1</sup> are provided on the groundwater analytical summary tables for reference only. The 95% Upper Confidence Level (UCL) and average values will be calculated and compared to the Residential Volatilization Criteria (RVC), the Industrial Volatilization Criteria (IVC), the Surface Water Protection Criteria (SWPC) and Ground Water Protection Criteria (GWPC) for the data collected in 2009. These comparisons will be presented in the 2009 Annual Report.

Surface water samples were compared to the Water Quality Standards (WQS) for Class A Surface Waters. Values exceeding the WQS (standards are noted on tables) are identified in bold type.

### Volatile Organic Compounds

The results of analyses for VOCs are summarized in Tables 1 and 2 for wells located in GB and GA areas, respectively. VOCs were detected in eleven of the twelve samples collected. These VOCs included 4-methyl-2-pentanone, cis-1,2-dichloroethene, ethylbenzene, methyl ethyl ketone, tetrachloroethylene, toluene, trichloroethylene, trichlorofluoromethane, vinyl chloride, and xylenes. In line with historical results MW-31S had the highest reported concentrations of many of the VOCs detected.

During this sampling event the following VOCs were reported with the highest concentrations in the sample collected from MW-31S; methyl-2-pentanone (80,000 µg/l), cis-1,2-dichloroethene (9,100 µg/l), ethylbenzene (7,800 µg/l), methyl ethyl ketone (27,000 µg/l), toluene (30,000 µg/l), and xylenes (22,000 µg/l). The constituents detected in MW-31S are most likely attributable to the Pre-Envirite Waste Material (PEWM) located in close proximity to the well.

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1 It should be noted that Envirite's legal counsel had advised that, according to the Regulations of Connecticut State Agencies Section 22a-133k-1(b), the RSRs do not apply to areas that are affected by discharges allowed under a ground water discharge permit issued pursuant to Section 22a-430. Envirite has held a ground water discharge permit since 1984 at the Thomaston facility. Thus while compliance with RSRs is one indicator of potential need for remediation to CTDEP, USEPA, and Envirite, these regulations are not strictly applicable to ground water constituent levels at the Thomaston facility.

Statistical analysis will be performed for the four quarters of samples that have been collected in 2009, and the analysis will be compared to the RSRs in the 2009 Annual Report.

### **Metals**

The results of analyses for total metals are summarized in Tables 1 and 2 for wells located in GB and GA areas, respectively. Metals were detected in all thirteen samples collected. These metals included barium, cadmium, chromium, copper, iron, manganese, nickel, sodium, and zinc. Statistical analysis will be performed for the four quarters of samples that have been collected in 2009, and the analysis will be compared to the RSRs in the 2009 Annual Report.

### **Field Measurements and Indicator Parameters**

The results of field measurements and indicator parameters are summarized in Tables 1 and 2 for wells located in GB and GA areas, respectively. In general, the concentration and distribution of the field measurements and indicator constituents for the remaining wells are consistent with historical analytical data from the site.

### **Surface Water Samples**

The surface water samples were collected from Branch Brook, which is classified as Class B/A water, and is required to meet Class A Water Quality Standards. As shown in Table 3, no targeted VOCs were detected in either sample.

### **QA/QC Results**

QA/QC samples consisted of a duplicate sample from monitoring well MW-42S and a trip blank (only analyzed for VOCs). The analytical results obtained from the original and duplicate samples from monitoring well MW-42S correspond well. No target analytes with the exception of sodium and zinc were detected in the trip blank (Table 4). An equipment blank and field blank were collected and analyzed for VOCs during this sampling event. No target VOCs were reported in either the equipment blank or field blank.

### **Statistical Data Analysis**

Statistical analysis will be performed for the four consecutive quarters of data that have been collected in 2009. The results will be summarized in the 2009 Annual Report.

### **GROUNDWATER FLOW DIRECTION**

Groundwater monitoring measurements were made prior to purging the wells. Groundwater elevation data are summarized on Tables 1 and 2, and inferred groundwater contours are presented on Figure 1.

Xpert Design and Diagnostics, LLC (XDD) described a conceptual model of groundwater flow patterns at the Thomaston Site in a letter to Envirite dated September 29, 1999. The XDD model states that groundwater flow is influenced during winter and spring months by recharge from the Branch Brook, which borders the western side of the Site and the Naugatuck River, which runs parallel to the Eastern boundary. Recharge from Branch Brook causes a groundwater mound to form in the northeast corner of the Site. This results in an easterly flow of groundwater across the northern side of the Site. The XDD model further states that the easterly component of flow is mitigated by a similar groundwater mound caused by recharge from the Naugatuck River. As a result, groundwater flow changes from easterly to south-southeasterly as it approaches the Naugatuck River.

Based on interpretation of available data, the horizontal component of shallow groundwater flow is predominantly to the south with a hydraulic gradient of approximately 0.005 ft/ft. These observations

are generally consistent with earlier data. In the past, downward vertical gradients between the shallow and deep overburden were consistently observed in the southwest corner of the site. Occasional downward gradients between the shallow and deep overburden in the central and southeastern portions of the site were observed in past sampling events. However an upward gradient was observed from MW-41S to MW-41D. The XDD Model suggests that vertical groundwater mixing between the deep and shallow overburden is probable. In most cases, this results in shallow groundwater mixing into deeper overburden groundwater within a period of thirty days or less.

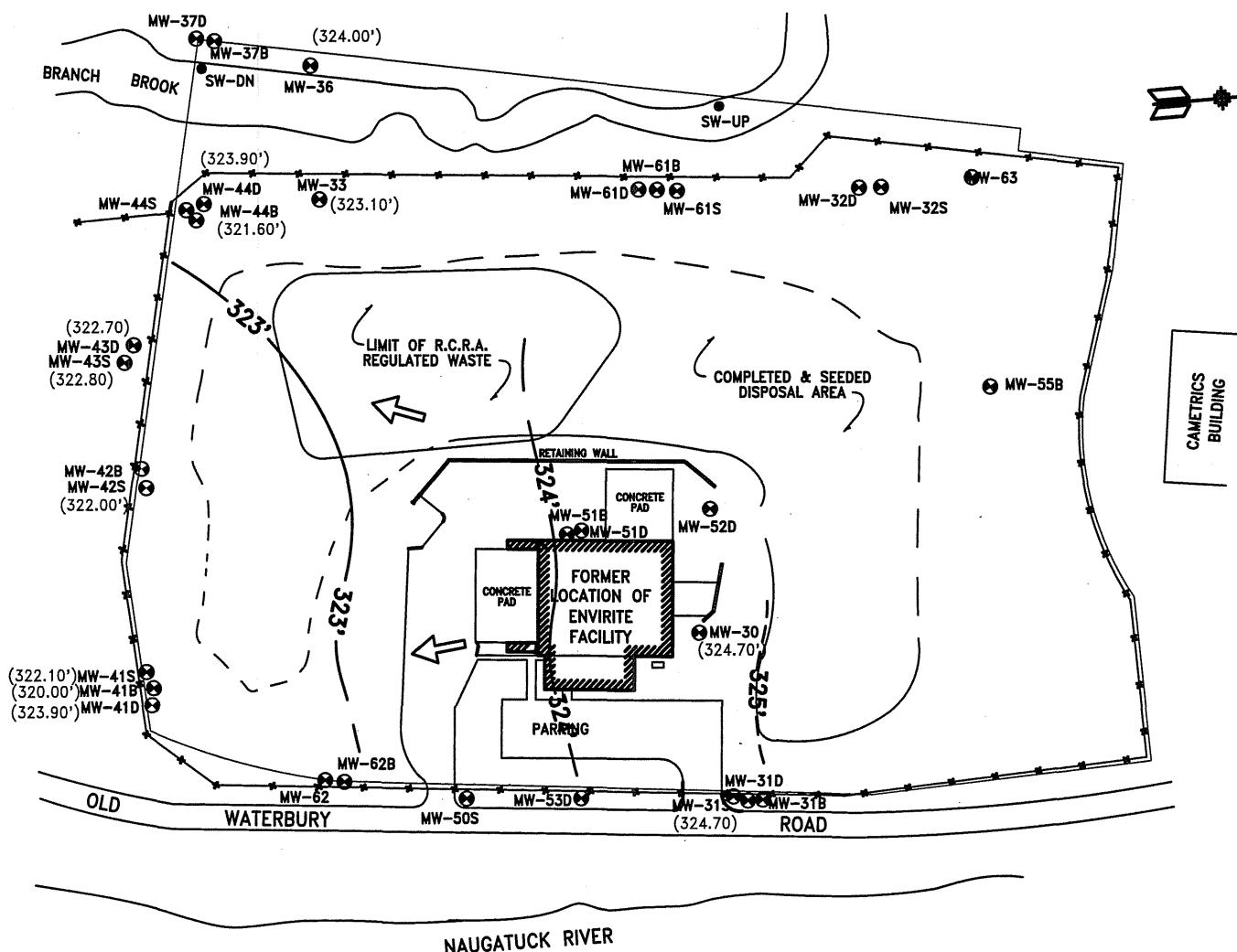
If you have any questions or comments on the information presented in this report, please call the undersigned at your convenience.

Sincerely,  
Vanasse Hangen Brustlin, Inc.



Philip M. Rydel  
*Senior Environmental Scientist*

cc: R. J. Cody, USEPA, Boston, MA  
G. Stengel, Jr., Envirite Corporation  
C. Snyder, ENVIRON International Corporation



#### LEGEND

- = BUILDING LINE
- = PROPERTY LINE
- X — = FENCE LINE
- = WALK/STREET
- = RIVER/BROOK
- (●) = EXISTING MONITORING WELL
- (324.50) = ELEVATION OF GROUNDWATER IN FEET RELATIVE TO A COMMON DATUM
- 324 — = GROUNDWATER ELEVATION CONTOUR (DASHED WHEN INFERRRED)
- ◀ = DIRECTION OF FLOW

NOTE:  
DATA FROM THE FOLLOWING MONITORING WELLS WERE USED TO CONSTRUCT THIS MAP,  
MW-30, MW-31S, MW-33, MW-41S,  
MW-42S, AND MW-43S.

SCALE  
0 100'

ALL LOCATIONS ARE APPROXIMATE

#### MAP INFORMATION

BASED ON "GZA" GEOENVIRONMENTAL, INC.  
DWG. NO. 2-5, PROJECT NO. 41302.4  
TITLED: BEDROCK CONTOUR PLAN,  
DATED: MARCH 15, 1995 &  
R.C.R.A. MONITORING (GROUNDWATER CONTOUR  
PLAN) PROJECT #41391.1, FIG.2.

Vanasse Hangen Brustlin, Inc.

1ST Q 2009 GROUNDWATER CONTOURS  
ENVIRITE/THOMASTON LANDFILL  
OLD WATERBURY ROAD  
THOMASTON, CONNECTICUT



TABLE 2. SUMMARY OF ANALYTICAL RESULTS, GA WELL (MW-36)

Thomaston, Connecticut  
2009 First Quarter

GWPC	CTDEP CRITERIA (ug/L) <sup>1</sup>						Reference Elevation	WELL Date	MW-36 4/28/09 329			
	2 x GWPC ug/L	2 x RVC ug/L	RVC ug/L	2 x IVC ug/L	IVC ug/L	2 x SWPC ug/L						
							Depth to Water	5.00				
							Water Level Elevation (feet)	324.00				
							pH (standard units)	6.64				
							Specific Conductance ( $\mu\text{mhos/cm}$ )	342				
						Volatile Organic Compounds*						
200	400	6,500	13,000	16,000	32,000	62,000	1,1,1-Trichloroethane	BDL				
0.5	1	1.8	3.6	54	108	110	1,1,2,2-Tetrachloroethane	BDL				
5	10	220	440	2,900	5,800	1,260	1,1,2-Trichloroethane	BDL				
70	140	3,000	6,000	41,000	82,000	NE	1,1-Dichloroethane	BDL				
7	14	190	380	920	1,840	96	1,1-Dichloroethene	BDL				
600	1,200	5,100	10,200	50,000	100,000	170,000	1,2-Dichlorobenzene	BDL				
1	2	6.5	13	68	136	2,970	1,2-Dichloroethane	BDL				
5	10	7.4	15	58	116	NE	1,2-Dichloropropane	BDL				
600	1,200	4,300	8,600	50,000	100,000	26,000	1,3-Dichlorobenzene	BDL				
75	150	1,400	2,800	3,400	6,800	26,000	1,4-Dichlorobenzene	BDL				
NE	NE	NE	NE	NE	NE	NE	2-Chloroethyl vinyl ether	NA				
NE	NE	NE	NE	NE	NE	NE	Acrolein	NA				
0.5	1	NE	NE	NE	NE	20	Acrylonitrile	BDL				
1	2	130	260	310	620	710	Benzene	BDL				
0.56	1	2.3	5	73	146	NE	Bromodichloromethane	BDL				
4	8	75	150	2,300	4,600	10,800	Bromoform	BDL				
9.8	20	NE	NE	NE	NE	NE	Bromomethane	BDL				
5	10	5.3	11	14	28	132	Carbon Tetrachloride	BDL				
100	200	1,800	3,600	23,000	46,000	420,000	Chlorobenzene	BDL				
NE	NE	12,000	24,000	29,000	58,000	NE	Chloroethane	BDL				
6	12	26	52	62	124	14,100	Chloroform	BDL				
2.7	5	NE	NE	NE	NE	NE	Chloromethane	BDL				
0.5	1	6	12	25	50	34,000	cis-1,3-Dichloropropene	BDL				
0.5	1	NE	NE	NE	NE	1,020	Dibromochloromethane	BDL				
700	1,400	2,700	5,400	36,000	72,000	580,000	Ethylbenzene	BDL				
5	10	160	320	2,200	4,400	48,000	Methylene Chloride	BDL				
5	10	340	680	810	1,620	88	Tetrachloroethylene	BDL				
1,000	2,000	7,100	14,200	41,000	82,000	4,000,000	Toluene	BDL				
100	200	1,000	2,000	13,000	26,000	NE	trans-1,2-Dichloroethene	BDL				
0.5	1	6	12	25	50	34,000	trans-1,3-Dichloropropene	BDL				
5	10	27	54	67	134	2,340	Trichloroethene	BDL				
1,300	2,600	NE	NE	NE	NE	NE	Trichlorofluoromethane	BDL				
2	4	1.6	3.2	52	104	15,750	Vinyl Chloride	BDL				
						Metals						
1,000	2,000	NE	NE	NE	NE	NE	Barium, Dissolved	52				
5	10	NE	NE	NE	NE	6	Cadmium, Dissolved	BDL				
50 (Cr total)	100	NE	NE	NE	NE	110 (Cr VI)	Chromium, Dissolved	BDL				
1,300	2,600	NE	NE	NE	NE	48	Copper, Dissolved	BDL				
NE	NE	NE	NE	NE	NE	NE	Iron, Dissolved	BDL				
NE	NE	NE	NE	NE	NE	NE	Manganese, Dissolved	BDL				
100	200	NE	NE	NE	NE	880	Nickel, Dissolved	4				
NE	NE	NE	NE	NE	NE	NE	Sodium, Dissolved	39,100				
5,000	10,000	NE	NE	NE	NE	123	Zinc, Dissolved	4				
						Indicator Parameters						
NE	NE	NE	NE	NE	NE	NE	Ammonia Nitrogen	50				
NE	NE	NE	NE	NE	NE	NE	Chloride, Water	77,000				
200	400	NE	NE	NE	NE	52	Cyanide, Water	BDL				
NE	NE	NE	NE	NE	NE	NE	Nitrate Nitrogen, Water	530				
NE	NE	NE	NE	NE	NE	NE	Nitrite Nitrogen, Water	BDL				
NE	NE	NE	NE	NE	NE	NE	Phenols, Water	BDL				
NE	NE	NE	NE	NE	NE	NE	Sulfate, Water	29,000				
NE	NE	NE	NE	NE	NE	NE	Total Dissolved Solids, Water	240,000				
NE	NE	NE	NE	NE	NE	NE	Total Organic Carbon, Water	BDL				
NE	NE	NE	NE	NE	NE	NE	Total Organic Halogens, Water	13				
NE	NE	NE	NE	NE	NE	NE	Total Suspended Solids	17,000				

## Notes:

- GWPS Ground Water Protection Standard  
 IVC Industrial Volatilization Criteria  
 RVC Residential Volatilization Criteria  
 SWPC Surface Water Protection Criteria  
 NE Not Established  
 NS Not Sampled  
 NM Not Measured  
 BDL Below Detection Limit

\* VOCs analyzed using Method 8260

TABLE 3. SUMMARY OF ANALYTICAL RESULTS, BRANCH BROOK (SURFACE WATER)<sup>1</sup>  
 Thomaston, Connecticut  
 2009 First Quarter

CTDEP Class A Surface Water Criteria <sup>2</sup>				Branch Brook Sample Date	SW-DN	SW-UP
				pH (standard units)	4/28/09	4/28/09
				Specific Conductance ( $\mu\text{mhos}/\text{cm}$ )	7.08	7.03
Acute	Chronic	Consumption of Organisms Only	Consumption of Water and Organisms			
ug/L	ug/L	ug/L	ug/L	Volatile Organic Compounds <sup>3</sup>	ug/L	ug/L
NE	NE	NE	NE	1,1,1-Trichloroethane	BDL	BDL
NE	NE	11	0.17	1,1,2,2-Tetrachloroethane	BDL	BDL
NE	NE	42	0.6	1,1,2-Trichloroethane	BDL	BDL
NE	NE	NE	NE	1,1-Dichloroethane	BDL	BDL
NE	NE	3.2	0.057	1,1-Dichloroethene	BDL	BDL
NE	NE	17,000	2,700	1,2-Dichlorobenzene	BDL	BDL
NE	NE	99	0.38	1,2-Dichloroethane	BDL	BDL
NE	NE	39	0.52	1,2-Dichloropropane	BDL	BDL
NE	NE	2,600	400	1,3-Dichlorobenzene	BDL	BDL
NE	NE	2,600	400	1,4-Dichlorobenzene	BDL	BDL
NE	NE	NE	NE	2-Chloroethyl vinyl ether	NT	NT
NE	NE	780	320	Acrolein	NT	NT
NE	NE	0.66	0.059	Acrylonitrile	BDL	BDL
NE	NE	71	1.2	Benzene	BDL	BDL
NE	NE	46	0.56	Bromodichloromethane	BDL	BDL
NE	NE	360	4.3	Bromoform	BDL	BDL
NE	NE	NE	NE	Bromomethane	BDL	BDL
NE	NE	4.4	0.25	Carbon Tetrachloride	BDL	BDL
NE	NE	21,000	100	Chlorobenzene	BDL	BDL
NE	NE	NE	NE	Chloroethane	BDL	BDL
NE	NE	470	5.7	Chloroform	BDL	BDL
NE	NE	NE	NE	Chloromethane	BDL	BDL
NE	NE	1,700	10	cis-1,3-Dichloropropene	BDL	BDL
NE	NE	34	0.41	Dibromochloromethane	BDL	BDL
NE	NE	29,000	700	Ethylbenzene	BDL	BDL
NE	NE	1,600	4.7	Methylene Chloride	BDL	BDL
NE	NE	8.85	0.8	Tetrachloroethylene	BDL	BDL
NE	NE	200,000	1,000	Toluene	BDL	BDL
NE	NE	140,000	100	trans-1,2-Dichloroethene	BDL	BDL
NE	NE	1,700	10	trans-1,3-Dichloropropene	BDL	BDL
NE	NE	81	2.7	Trichloroethylene	BDL	BDL
NE	NE	NE	NE	Trichlorofluoromethane	BDL	BDL
NE	NE	525	2	Vinyl Chloride	BDL	BDL
Metals						
16 (Cr VI)	11 (Cr VI)	2019 (Cr VI)	100 (Cr VI)	Barium, Dissolved	NT	NT
2.02	1.35	10,769	5	Cadmium, Dissolved	NT	NT
14.3	4.8	NE	1,300	Chromium, Dissolved	NT	NT
260.5	28.9	4,600	610	Copper, Dissolved <sup>3</sup>	NT	NT
65	65	68,740	9,100	Iron, Dissolved	NT	NT
Indicator Parameters						
see footnote 4(a)	see footnote 4 (b,c)	NE	NE	Ammonia Nitrogen	70	50
NE	NE	NE	NE	Chloride, Water	19,000	19,000
22	5.2	220,000	200	Cyanide, Water	BDL	BDL
NE	NE	NE	NE	Nitrate Nitrogen, Water	150	160
NE	NE	NE	NE	Nitrite Nitrogen, Water	BDL	BDL
NE	NE	NE	NE	Phenols, Water	BDL	BDL
NE	NE	NE	NE	Sulfate, Water	8,100	8,100
NE	NE	NE	NE	Total Dissolved Solids, Water	81,000	82,000
NE	NE	NE	NE	Total Organic Carbon, Water	2,500	2,200
NE	NE	NE	NE	Total Organic Halogens, Water	BDL	16
NE	NE	NE	NE	Total Suspended Solids	BDL	12,000

Notes:

CTDEP Connecticut Department of Environmental Protection  
 NE Not established  
 BDL Below Detection Limit

Footnotes:

<sup>1</sup> Samples were collected from Branch Brook, a Class B/A surface water and therefore is required to meet CTDEP Class A surface water quality standards (footnote 2).

<sup>2</sup> Class A Surface Waters are designated for habitat for fish and other aquatic life and wildlife; potential drinking water supplies; recreation; navigation; and water supply for industry and agriculture (State of Connecticut Surface Water Quality Standards, Effective December 17, 2002)

<sup>3</sup> Biological integrity is impaired when the ambient concentration exceeds the acute value on more than 5% of the year and the chronic value more than 50% of the year.

<sup>4</sup> The criteria for ammonia (mg/L as N) vary in response to ambient surface water temperature (T, degrees C) and pH. Biological integrity is considered impaired when:

a. The one-hour average concentration of total ammonia exceeds:

$$[0.275 / 1 + 10^{(7.204 - \text{pH})}] + [39 / (1 + 10^{(\text{pH} - 7.204)})] \text{ when salmonids are present}$$

- or -

$$[0.411 / 1 + 10^{(7.204 - \text{pH})}] + [58.4 / (1 + 10^{(\text{pH} - 7.204)})] \text{ when salmonids are absent}$$

b. The four-day average concentration of total ammonia exceeds 2.5 times the value obtained from the formula (c) below.

c. The 30-day average concentration of total ammonia exceeds:

$$[0.0577 / 1 + 10^{(7.688 - \text{pH})}] + [2,487 / 1 + 10^{(\text{pH} - 7.688)}] \times [\text{MIN}(2.85, 1.45(10^{0.028(25 - T)})]] \text{ when early life stages are present}$$

- or -

$$[0.0577 / 1 + 10^{(7.688 - \text{pH})}] + [2,487 / 1 + 10^{(\text{pH} - 7.688)}] \times [1.45(10^{0.028(25 - \text{MAX}(1, T))})] \text{ when early life stages are absent}$$

<sup>5</sup> VOCs analyzed using Method 826C

TABLE 4. SUMMARY OF ANALYTICAL RESULTS, QA/QC SAMPLES

Thomaston, Connecticut

2009 First Quarter

Sample Description Date	Equipment Blank	Field Blank	Trip Blank
Volatile Organic Compounds*	ug/L	ug/L	ug/L
1,1,1-Trichloroethane	BDL	BDL	BDL
1,1,2,2-Tetrachloroethane	BDL	BDL	BDL
1,1,2-Trichloroethane	BDL	BDL	BDL
1,1-Dichloroethane	BDL	BDL	BDL
1,1-Dichloroethene	BDL	BDL	BDL
1,2-Dichlorobenzene	BDL	BDL	BDL
1,2-Dichloroethane	BDL	BDL	BDL
1,2-Dichloropropane	BDL	BDL	BDL
1,3-Dichlorobenzene	BDL	BDL	BDL
1,4-Dichlorobenzene	BDL	BDL	BDL
2-Chloroethyl vinyl ether	NT	NT	NT
Acrolein	NT	NT	NT
Acrylonitrile	BDL	BDL	BDL
Benzene	BDL	BDL	BDL
Bromodichloromethane	BDL	BDL	BDL
Bromoform	BDL	BDL	BDL
Bromomethane	BDL	BDL	BDL
Carbon Tetrachloride	BDL	BDL	BDL
Chlorobenzene	BDL	BDL	BDL
Chloroethane	BDL	BDL	BDL
Chloroform	BDL	BDL	BDL
Chloromethane	BDL	BDL	BDL
cis-1,3-Dichloropropene	BDL	BDL	BDL
Dibromochloromethane	BDL	BDL	BDL
Ethylbenzene	BDL	BDL	BDL
Methylene Chloride	BDL	BDL	BDL
Tetrachloroethylene	BDL	BDL	BDL
Toluene	BDL	BDL	BDL
trans-1,2-Dichloroethene	BDL	BDL	BDL
trans-1,3-Dichloropropene	BDL	BDL	BDL
Trichloroethene	BDL	BDL	BDL
Trichlorofluoromethane	BDL	BDL	BDL
Vinyl Chloride	BDL	BDL	BDL
Metals			
Barium, Dissolved	NT	NT	BDL
Cadmium, Dissolved	NT	NT	BDL
Chromium, Dissolved	NT	NT	BDL
Copper, Dissolved	NT	NT	BDL
Iron, Dissolved	NT	NT	BDL
Manganese, Dissolved	NT	NT	BDL
Nickel, Dissolved	NT	NT	BDL
Sodium, Dissolved	NT	NT	120
Zinc, Dissolved	NT	NT	2
Indicator Parameters			
Ammonia Nitrogen	NT	NT	BDL
Chloride, Water	NT	NT	BDL
Cyanide, Water	NT	NT	BDL
Nitrate Nitrogen, Water	NT	NT	BDL
Nitrite Nitrogen, Water	NT	NT	BDL
Phenols, Water	NT	NT	BDL
Sulfate, Water	NT	NT	BDL
Total Dissolved Solids, Water	NT	NT	BDL
Total Organic Carbon, Water	NT	NT	BDL
Total Organic Halogens, Water	NT	NT	BDL
Total Suspended Solids	NT	NT	BDL

## Notes:

BDL Below Detection Limit

NT Not Tested

NS Not Sampled

\* VOCs analyzed using Method 8260



**Environmental Laboratories, Inc.**  
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040  
 Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

May 08, 2009

FOR: Attn: Mr. Phil Rydel  
 Vanasse Hangen Brustlin, Inc.  
 54 Tuttle Place  
 Middletown, CT 06457-1847

### Sample Information

Matrix: GROUND WATER  
 Location Code: VHB  
 Rush Request:  
 P.O.#: 41426

### Custody Information

Collected by:  
 Received by: LB  
 Analyzed by: see "By" below

Date

Time

SDG I.D.: GAR61953

Phoenix I.D.: AR61953

## Laboratory Data

Client ID: ENVIRITE LF/THOMASTON MW-30

Parameter	Result	RL	Units	Date	Time	By	Reference
Barium (Dissolved)	0.046	0.002	mg/L	05/01/09		LK	6010/200.7
Cadmium (Dissolved)	< 0.001	0.001	mg/L	05/01/09		LK	6010/200.7
Chromium (Dissolved)	< 0.001	0.001	mg/L	05/01/09		LK	6010/200.7
Copper (Dissolved)	0.003	0.001	mg/L	05/01/09		LK	6010/200.7
Iron (Dissolved)	< 0.002	0.002	mg/L	05/01/09		LK	6010/200.7
Manganese (Dissolved)	0.019	0.001	mg/L	05/01/09		LK	6010/200.7
Sodium (Dissolved)	8.72	0.11	mg/L	05/01/09		LK	6010/200.7
Nickel (Dissolved)	0.001	0.001	mg/L	05/01/09		LK	6010/200.7
Zinc (Dissolved)	0.064	0.002	mg/L	05/01/09		LK	6010/200.7
Chloride	4.0	3.0	mg/L	04/30/09		B/E/G	300.0
Conductivity	188	2.0	umhos/cm	04/30/09		JC	SM2510B
Ammonia as Nitrogen	0.1	0.02	mg/L	04/30/09		WM	350.1
Nitrite as Nitrogen	< 0.01	0.01	mg/L	04/30/09	8:29	B/E/G	300.0
Nitrate as Nitrogen	2.4	0.05	mg/L	04/30/09	8:29	B/E/G	300.0/9056
Phenolics	< 0.015	0.015	mg/L	05/04/09		LK	E420.4
pH	7.16	0.10	pH	04/30/09	4:09	JC	4500-H B/9040
Sulfate	9.8	3.0	mg/L	04/30/09	8:29	B/E/G	300.0
Total Cyanide	< 0.01	0.01	mg/L	04/30/09		GD	335.4/9010
Tot. Diss. Solids	120	10	mg/L	04/30/09		C/K/V	SM2540C
Total Organic Carbon	1.6	1.0	mg/L	04/30/09		EG	SM 5310B
Total Suspended Solids	< 5.0	5.0	mg/L	04/30/09		CL/KDB	SM2540D
Filtration	Completed			04/29/09		AG	0.45um Filter
Dissolved Metals Preparation	Completed			04/29/09		AG	SW846-3005
Tot. Org. Halogens	0.041	0.010	ug/L	05/06/09		OL	SW9020
<b>Volatiles</b>							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,1,1-Trichloroethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	04/30/09		R/J	SW8260
1,1,2-Trichloroethane	ND	1.0	ug/L	04/30/09		R/J	SW8260

Parameter	Result	RL	Units	Date	Time	By	Reference
1,1-Dichloroethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,1-Dichloroethene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,1-Dichloropropene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2,3-Trichlorobenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2,3-Trichloropropane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2,4-Trichlorobenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2,4-Trimethylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2-Dichlorobenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2-Dichloroethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2-Dichloropropane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,3,5-Trimethylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,3-Dichlorobenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,3-Dichloropropane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,4-Dichlorobenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
2,2-Dichloropropane	ND	1.0	ug/L	04/30/09		R/J	SW8260
2-Chlorotoluene	ND	1.0	ug/L	04/30/09		R/J	SW8260
2-Hexanone	ND	5.0	ug/L	04/30/09		R/J	SW8260
2-Isopropyltoluene	ND	1.0	ug/L	04/30/09		R/J	SW8260
4-Chlorotoluene	ND	1.0	ug/L	04/30/09		R/J	SW8260
4-Methyl-2-pentanone	ND	5.0	ug/L	04/30/09		R/J	SW8260
Acetone	ND	50	ug/L	04/30/09		R/J	SW8260
Acrylonitrile	ND	5.0	ug/L	04/30/09		R/J	SW8260
Benzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Bromobenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Bromochloromethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Bromodichloromethane	ND	0.50	ug/L	04/30/09		R/J	SW8260
Bromoform	ND	1.0	ug/L	04/30/09		R/J	SW8260
Bromomethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Carbon Disulfide	ND	5.0	ug/L	04/30/09		R/J	SW8260
Carbon tetrachloride	ND	1.0	ug/L	04/30/09		R/J	SW8260
Chlorobenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Chloroethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Chloroform	ND	1.0	ug/L	04/30/09		R/J	SW8260
Chloromethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
cis-1,2-Dichloroethene	18	1.0	ug/L	04/30/09		R/J	SW8260
cis-1,3-Dichloropropene	ND	0.50	ug/L	04/30/09		R/J	SW8260
Dibromochloromethane	ND	0.50	ug/L	04/30/09		R/J	SW8260
Dibromoethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Dibromomethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Dichlorodifluoromethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Ethylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Hexachlorobutadiene	ND	0.40	ug/L	04/30/09		R/J	SW8260
Isopropylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
m&p-Xylene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Methyl ethyl ketone	ND	5.0	ug/L	04/30/09		R/J	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	04/30/09		R/J	SW8260
Methylene chloride	ND	1.0	ug/L	04/30/09		R/J	SW8260
Naphthalene	ND	1.0	ug/L	04/30/09		R/J	SW8260
n-Butylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
n-Propylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
o-Xylene	ND	1.0	ug/L	04/30/09		R/J	SW8260

Parameter	Result	RL	Units	Date	Time	By	Reference
p-Isopropyltoluene	ND	1.0	ug/L	04/30/09		R/J	SW8260
sec-Butylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Styrene	ND	1.0	ug/L	04/30/09		R/J	SW8260
tert-Butylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Tetrachloroethene	11	1.0	ug/L	04/30/09		R/J	SW8260
Tetrahydrofuran (THF)	ND	5.0	ug/L	04/30/09		R/J	SW8260
Toluene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Total Xylenes	ND	1.0	ug/L	04/30/09		R/J	SW8260
trans-1,2-Dichloroethene	ND	1.0	ug/L	04/30/09		R/J	SW8260
trans-1,3-Dichloropropene	ND	0.50	ug/L	04/30/09		R/J	SW8260
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	04/30/09		R/J	SW8260
Trichloroethene	12	1.0	ug/L	04/30/09		R/J	SW8260
Trichlorofluoromethane	1.0	1.0	ug/L	04/30/09		R/J	SW8260
Trichlorotrifluoroethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Vinyl chloride	ND	1.0	ug/L	04/30/09		R/J	SW8260
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4	109		%	04/30/09		R/J	SW8260
% Bromofluorobenzene	96		%	04/30/09		R/J	SW8260
% Dibromofluoromethane	104		%	04/30/09		R/J	SW8260
% Toluene-d8	97		%	04/30/09		R/J	SW8260

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters.

**Comments:**

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director

May 08, 2009



**Environmental Laboratories, Inc.**  
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040  
 Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

May 08, 2009

FOR: Attn: Mr. Phil Rydel  
 Vanasse Hangen Brustlin, Inc.  
 54 Tuttle Place  
 Middletown, CT 06457-1847

### Sample Information

Matrix: GROUND WATER  
 Location Code: VHB  
 Rush Request:  
 P.O.#: 41426

### Custody Information

Collected by:  
 Received by: LB  
 Analyzed by: see "By" below

Date

Time

04/28/09

14:12

04/29/09

17:00

SDG I.D.: GAR61953

Phoenix I.D.: AR61954

## Laboratory Data

Client ID: ENVIRITE LF/THOMASTON MW-31S

Parameter	Result	RL	Units	Date	Time	By	Reference
Barium (Dissolved)	0.230	0.002	mg/L	05/01/09		LK	6010/200.7
Cadmium (Dissolved)	< 0.001	0.001	mg/L	05/01/09		LK	6010/200.7
Chromium (Dissolved)	0.082	0.001	mg/L	05/01/09		LK	6010/200.7
Copper (Dissolved)	0.002	0.001	mg/L	05/01/09		LK	6010/200.7
Iron (Dissolved)	184	0.021	mg/L	05/04/09		EK	6010/200.7
Manganese (Dissolved)	19.4	0.011	mg/L	05/04/09		EK	6010/200.7
Sodium (Dissolved)	63.5	1.1	mg/L	05/04/09		EK	6010/200.7
Nickel (Dissolved)	0.265	0.001	mg/L	05/01/09		LK	6010/200.7
Zinc (Dissolved)	3.14	0.002	mg/L	05/01/09		LK	6010/200.7
Chloride	260	30	mg/L	04/30/09		B/G	300.0
Conductivity	1680	2.0	umhos/cm	04/30/09		JC	SM2510B
Ammonia as Nitrogen	47	1	mg/L	04/30/09		WM	350.1
Nitrite as Nitrogen	< 0.02	0.02	mg/L	04/30/09	20:45	B/G	300.0
Nitrate as Nitrogen	0.06	0.05	mg/L	04/30/09	8:38	B/E/G	300.0/9056
Phenolics	< 0.075	0.075	mg/L	05/06/09		LK	E420.4
pH	6.41	0.10	pH	04/30/09	4:15	JC	4500-H B/9040
Sulfate	4.1	3.0	mg/L	04/30/09	8:38	B/E/G	300.0
Total Cyanide	< 0.01	0.01	mg/L	04/30/09		GD	335.4/9010
Tot. Diss. Solids	1500	10	mg/L	04/30/09		C/K/V	SM2540C
Total Organic Carbon	620	40	mg/L	05/04/09		JC/EG	SM 5310B
Total Suspended Solids	220	20	mg/L	04/30/09		CL/KDB	SM2540D
Filtration	Completed			04/29/09		AG	0.45um Filter
Dissolved Metals Preparation	Completed			04/29/09		AG	SW846-3005
Tot. Org. Halogens	4.6	0.1	mg/L	05/06/09		OL	SW9020
<b>Volatiles</b>							
1,1,1,2-Tetrachloroethane	ND	1000	ug/L	05/02/09		R/J	SW8260
1,1,1-Trichloroethane	ND	1000	ug/L	05/02/09		R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	500	ug/L	05/02/09		R/J	SW8260
1,1,2-Trichloroethane	ND	1000	ug/L	05/02/09		R/J	SW8260

Parameter	Result	RL	Units	Date	Time	By	Reference
1,1-Dichloroethane	ND	1000	ug/L	05/02/09		R/J	SW8260
1,1-Dichloroethene	ND	1000	ug/L	05/02/09		R/J	SW8260
1,1-Dichloropropene	ND	1000	ug/L	05/02/09		R/J	SW8260
1,2,3-Trichlorobenzene	ND	1000	ug/L	05/02/09		R/J	SW8260
1,2,3-Trichloropropane	ND	1000	ug/L	05/02/09		R/J	SW8260
1,2,4-Trichlorobenzene	ND	1000	ug/L	05/02/09		R/J	SW8260
1,2,4-Trimethylbenzene	ND	1000	ug/L	05/02/09		R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	1000	ug/L	05/02/09		R/J	SW8260
1,2-Dichlorobenzene	ND	1000	ug/L	05/02/09		R/J	SW8260
1,2-Dichloroethane	ND	1000	ug/L	05/02/09		R/J	SW8260
1,2-Dichloropropane	ND	1000	ug/L	05/02/09		R/J	SW8260
1,3,5-Trimethylbenzene	ND	1000	ug/L	05/02/09		R/J	SW8260
1,3-Dichlorobenzene	ND	1000	ug/L	05/02/09		R/J	SW8260
1,3-Dichloropropane	ND	1000	ug/L	05/02/09		R/J	SW8260
1,4-Dichlorobenzene	ND	1000	ug/L	05/02/09		R/J	SW8260
2,2-Dichloropropane	ND	1000	ug/L	05/02/09		R/J	SW8260
2-Chlorotoluene	ND	1000	ug/L	05/02/09		R/J	SW8260
2-Hexanone	ND	5000	ug/L	05/02/09		R/J	SW8260
2-Isopropyltoluene	ND	1000	ug/L	05/02/09		R/J	SW8260
4-Chlorotoluene	ND	1000	ug/L	05/02/09		R/J	SW8260
4-Methyl-2-pentanone	80000	25000	ug/L	05/02/09		R/J	SW8260
Acetone	ND	50000	ug/L	05/02/09		R/J	SW8260
Acrylonitrile	ND	5000	ug/L	05/02/09		R/J	SW8260
Benzene	ND	1000	ug/L	05/02/09		R/J	SW8260
Bromobenzene	ND	1000	ug/L	05/02/09		R/J	SW8260
Bromochloromethane	ND	1000	ug/L	05/02/09		R/J	SW8260
Bromodichloromethane	ND	500	ug/L	05/02/09		R/J	SW8260
Bromoform	ND	1000	ug/L	05/02/09		R/J	SW8260
Bromomethane	ND	1000	ug/L	05/02/09		R/J	SW8260
Carbon Disulfide	ND	5000	ug/L	05/02/09		R/J	SW8260
Carbon tetrachloride	ND	1000	ug/L	05/02/09		R/J	SW8260
Chlorobenzene	ND	1000	ug/L	05/02/09		R/J	SW8260
Chloroethane	ND	1000	ug/L	05/02/09		R/J	SW8260
Chloroform	ND	1000	ug/L	05/02/09		R/J	SW8260
Chloromethane	ND	1000	ug/L	05/02/09		R/J	SW8260
cis-1,2-Dichloroethene	9100	1000	ug/L	05/02/09		R/J	SW8260
cis-1,3-Dichloropropene	ND	500	ug/L	05/02/09		R/J	SW8260
Dibromochloromethane	ND	500	ug/L	05/02/09		R/J	SW8260
Dibromoethane	ND	1000	ug/L	05/02/09		R/J	SW8260
Dibromomethane	ND	1000	ug/L	05/02/09		R/J	SW8260
Dichlorodifluoromethane	ND	1000	ug/L	05/02/09		R/J	SW8260
Ethylbenzene	7800	1000	ug/L	05/02/09		R/J	SW8260
Hexachlorobutadiene	ND	400	ug/L	05/02/09		R/J	SW8260
Isopropylbenzene	ND	1000	ug/L	05/02/09		R/J	SW8260
m&p-Xylene	15000	1000	ug/L	05/02/09		R/J	SW8260
Methyl ethyl ketone	27000	5000	ug/L	05/02/09		R/J	SW8260
Methyl t-butyl ether (MTBE)	ND	1000	ug/L	05/02/09		R/J	SW8260
Methylene chloride	ND	1000	ug/L	05/02/09		R/J	SW8260
Naphthalene	ND	1000	ug/L	05/02/09		R/J	SW8260
n-Butylbenzene	ND	1000	ug/L	05/02/09		R/J	SW8260
n-Propylbenzene	ND	1000	ug/L	05/02/09		R/J	SW8260
o-Xylene	6600	1000	ug/L	05/02/09		R/J	SW8260

Parameter	Result	RL	Units	Date	Time	By	Reference
p-Isopropyltoluene	ND	1000	ug/L	05/02/09		R/J	SW8260
sec-Butylbenzene	ND	1000	ug/L	05/02/09		R/J	SW8260
Styrene	ND	1000	ug/L	05/02/09		R/J	SW8260
tert-Butylbenzene	ND	1000	ug/L	05/02/09		R/J	SW8260
Tetrachloroethene	ND	1000	ug/L	05/02/09		R/J	SW8260
Tetrahydrofuran (THF)	ND	5000	ug/L	05/02/09		R/J	SW8260
Toluene	30000	1000	ug/L	05/02/09		R/J	SW8260
Total Xylenes	22000	1000	ug/L	05/02/09		R/J	SW8260
trans-1,2-Dichloroethene	ND	1000	ug/L	05/02/09		R/J	SW8260
trans-1,3-Dichloropropene	ND	500	ug/L	05/02/09		R/J	SW8260
trans-1,4-dichloro-2-butene	ND	5000	ug/L	05/02/09		R/J	SW8260
Trichloroethene	ND	1000	ug/L	05/02/09		R/J	SW8260
Trichlorofluoromethane	ND	1000	ug/L	05/02/09		R/J	SW8260
Trichlorotrifluoroethane	ND	1000	ug/L	05/02/09		R/J	SW8260
Vinyl chloride	ND	1000	ug/L	05/02/09		R/J	SW8260
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4	100		%	05/02/09		R/J	SW8260
% Bromofluorobenzene	97		%	05/02/09		R/J	SW8260
% Dibromofluoromethane	104		%	05/02/09		R/J	SW8260
% Toluene-d8	96		%	05/02/09		R/J	SW8260

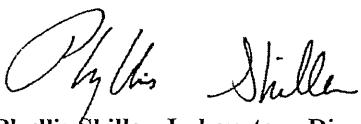
1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters.

#### Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level



Phyllis Shiller  
Phyllis Shiller, Laboratory Director  
May 08, 2009



**Environmental Laboratories, Inc.**  
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040  
 Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

May 08, 2009

FOR: Attn: Mr. Phil Rydel  
 Vanasse Hangen Brustlin, Inc.  
 54 Tuttle Place  
 Middletown, CT 06457-1847

### Sample Information

Matrix: GROUND WATER  
 Location Code: VHB  
 Rush Request:  
 P.O.#: 41426

### Custody Information

Collected by:  
 Received by: LB  
 Analyzed by: see "By" below

Date

Time

04/28/09

13:15

04/29/09

17:00

SDG I.D.: GAR61953

Phoenix I.D.: AR61955

## Laboratory Data

Client ID: ENVIRITE LF/THOMASTON MW-33

Parameter	Result	RL	Units	Date	Time	By	Reference
Barium (Dissolved)	0.010	0.002	mg/L	05/01/09		LK	6010/200.7
Cadmium (Dissolved)	< 0.001	0.001	mg/L	05/01/09		LK	6010/200.7
Chromium (Dissolved)	< 0.001	0.001	mg/L	05/01/09		LK	6010/200.7
Copper (Dissolved)	< 0.001	0.001	mg/L	05/01/09		LK	6010/200.7
Iron (Dissolved)	0.012	0.002	mg/L	05/01/09		LK	6010/200.7
Manganese (Dissolved)	0.002	0.001	mg/L	05/01/09		LK	6010/200.7
Sodium (Dissolved)	14.2	0.11	mg/L	05/01/09		LK	6010/200.7
Nickel (Dissolved)	< 0.001	0.001	mg/L	05/01/09		LK	6010/200.7
Zinc (Dissolved)	0.004	0.002	mg/L	05/01/09		LK	6010/200.7
Chloride	7.0	3.0	mg/L	04/30/09		B/E/G	300.0
Conductivity	111	2.0	umhos/cm	04/30/09		JC	SM2510B
Ammonia as Nitrogen	0.09	0.02	mg/L	04/30/09		WM	350.1
Nitrite as Nitrogen	< 0.01	0.01	mg/L	04/30/09	8:47	B/E/G	300.0
Nitrate as Nitrogen	1.4	0.05	mg/L	04/30/09	8:47	B/E/G	300.0/9056
Phenolics	< 0.015	0.015	mg/L	05/04/09		LK	E420.4
pH	6.93	0.10	pH	04/30/09	4:37	JC	4500-H B/9040
Sulfate	11	3.0	mg/L	04/30/09	8:47	B/E/G	300.0
Total Cyanide	< 0.01	0.01	mg/L	04/30/09		GD	335.4/9010
Tot. Diss. Solids	74	10	mg/L	04/30/09		C/K/V	SM2540C
Total Organic Carbon	1.1	1.0	mg/L	05/04/09		JC/EG	SM 5310B
Total Suspended Solids	160	5.0	mg/L	04/30/09		CL/KDB	SM2540D
Filtration	Completed			04/29/09		AG	0.45um Filter
Dissolved Metals Preparation	Completed			04/29/09		AG	SW846-3005
Tot. Org. Halogens	BDL	0.010	ug/L	05/06/09		OL	SW9020
<hr/>							
<b>Volatiles</b>							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,1,1-Trichloroethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	04/30/09		R/J	SW8260
1,1,2-Trichloroethane	ND	1.0	ug/L	04/30/09		R/J	SW8260

Client ID: ENVIRITE LF/THOMASTON MW-33

Phoenix I.D.: AR61955

Parameter	Result	RL	Units	Date	Time	By	Reference
1,1-Dichloroethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,1-Dichloroethene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,1-Dichloropropene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2,3-Trichlorobenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2,3-Trichloropropane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2,4-Trichlorobenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2,4-Trimethylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2-Dichlorobenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2-Dichloroethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2-Dichloropropane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,3,5-Trimethylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,3-Dichlorobenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,3-Dichloropropane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,4-Dichlorobenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
2,2-Dichloropropane	ND	1.0	ug/L	04/30/09		R/J	SW8260
2-Chlorotoluene	ND	1.0	ug/L	04/30/09		R/J	SW8260
2-Hexanone	ND	5.0	ug/L	04/30/09		R/J	SW8260
2-Isopropyltoluene	ND	1.0	ug/L	04/30/09		R/J	SW8260
4-Chlorotoluene	ND	1.0	ug/L	04/30/09		R/J	SW8260
4-Methyl-2-pentanone	ND	5.0	ug/L	04/30/09		R/J	SW8260
Acetone	ND	50	ug/L	04/30/09		R/J	SW8260
Acrylonitrile	ND	5.0	ug/L	04/30/09		R/J	SW8260
Benzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Bromobenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Bromochloromethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Bromodichloromethane	ND	0.50	ug/L	04/30/09		R/J	SW8260
Bromoform	ND	1.0	ug/L	04/30/09		R/J	SW8260
Bromomethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Carbon Disulfide	ND	5.0	ug/L	04/30/09		R/J	SW8260
Carbon tetrachloride	ND	1.0	ug/L	04/30/09		R/J	SW8260
Chlorobenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Chloroethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Chloroform	ND	1.0	ug/L	04/30/09		R/J	SW8260
Chloromethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
cis-1,2-Dichloroethene	ND	1.0	ug/L	04/30/09		R/J	SW8260
cis-1,3-Dichloropropene	ND	0.50	ug/L	04/30/09		R/J	SW8260
Dibromochloromethane	ND	0.50	ug/L	04/30/09		R/J	SW8260
Dibromoethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Dibromomethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Dichlorodifluoromethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Ethylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Hexachlorobutadiene	ND	0.40	ug/L	04/30/09		R/J	SW8260
Isopropylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
m&p-Xylene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Methyl ethyl ketone	ND	5.0	ug/L	04/30/09		R/J	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	04/30/09		R/J	SW8260
Methylene chloride	ND	1.0	ug/L	04/30/09		R/J	SW8260
Naphthalene	ND	1.0	ug/L	04/30/09		R/J	SW8260
n-Butylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
n-Propylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
o-Xylene	ND	1.0	ug/L	04/30/09		R/J	SW8260

Parameter	Result	RL	Units	Date	Time	By	Reference
p-Isopropyltoluene	ND	1.0	ug/L	04/30/09		R/J	SW8260
sec-Butylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Styrene	ND	1.0	ug/L	04/30/09		R/J	SW8260
tert-Butylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Tetrachloroethene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Tetrahydrofuran (THF)	ND	5.0	ug/L	04/30/09		R/J	SW8260
Toluene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Total Xylenes	ND	1.0	ug/L	04/30/09		R/J	SW8260
trans-1,2-Dichloroethene	ND	1.0	ug/L	04/30/09		R/J	SW8260
trans-1,3-Dichloropropene	ND	0.50	ug/L	04/30/09		R/J	SW8260
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	04/30/09		R/J	SW8260
Trichloroethene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Trichlorofluoromethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Trichlorotrifluoroethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Vinyl chloride	ND	1.0	ug/L	04/30/09		R/J	SW8260
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4	100		%	04/30/09		R/J	SW8260
% Bromofluorobenzene	95		%	04/30/09		R/J	SW8260
% Dibromofluoromethane	100		%	04/30/09		R/J	SW8260
% Toluene-d8	96		%	04/30/09		R/J	SW8260

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters.

#### Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level



Phyllis Shiller, Laboratory Director  
May 08, 2009



**Environmental Laboratories, Inc.**  
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040  
 Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

May 08, 2009

FOR: Attn: Mr. Phil Rydel  
 Vanasse Hangen Brustlin, Inc.  
 54 Tuttle Place  
 Middletown, CT 06457-1847

### Sample Information

Matrix: GROUND WATER  
 Location Code: VHB  
 Rush Request:  
 P.O.#: 41426

### Custody Information

Collected by:  
 Received by: LB  
 Analyzed by: see "By" below

Date

Time

04/28/09

15:00

04/29/09

17:00

SDG I.D.: GAR61953

Phoenix I.D.: AR61956

### Laboratory Data

Client ID: ENVIRITE LF/THOMASTON MW-36

Parameter	Result	RL	Units	Date	Time	By	Reference
Barium (Dissolved)	0.052	0.002	mg/L	05/01/09		LK	6010/200.7
Cadmium (Dissolved)	< 0.001	0.001	mg/L	05/01/09		LK	6010/200.7
Chromium (Dissolved)	< 0.001	0.001	mg/L	05/01/09		LK	6010/200.7
Copper (Dissolved)	< 0.001	0.001	mg/L	05/01/09		LK	6010/200.7
Iron (Dissolved)	< 0.002	0.002	mg/L	05/01/09		LK	6010/200.7
Manganese (Dissolved)	< 0.001	0.001	mg/L	05/01/09		LK	6010/200.7
Sodium (Dissolved)	39.1	0.11	mg/L	05/01/09		LK	6010/200.7
Nickel (Dissolved)	0.004	0.001	mg/L	05/01/09		LK	6010/200.7
Zinc (Dissolved)	0.004	0.002	mg/L	05/01/09		LK	6010/200.7
Chloride	77	6.0	mg/L	04/30/09		B/G	300.0
Conductivity	342	2.0	umhos/cm	04/30/09		JC	SM2510B
Ammonia as Nitrogen	0.05	0.02	mg/L	04/30/09		WM	350.1
Nitrite as Nitrogen	< 0.01	0.01	mg/L	04/30/09	8:56	B/E/G	300.0
Nitrate as Nitrogen	0.53	0.05	mg/L	04/30/09	8:56	B/E/G	300.0/9056
Phenolics	< 0.015	0.015	mg/L	05/04/09		LK	E420.4
pH	6.64	0.10	pH	04/30/09	4:40	JC	4500-H B/9040
Sulfate	29	3.0	mg/L	04/30/09	8:56	B/E/G	300.0
Total Cyanide	< 0.01	0.01	mg/L	04/30/09		GD	335.4/9010
Tot. Diss. Solids	240	10	mg/L	04/30/09		C/K/V	SM2540C
Total Organic Carbon	< 1.0	1.0	mg/L	04/30/09		EG	SM 5310B
Total Suspended Solids	17	5.0	mg/L	04/30/09		CL/KDB	SM2540D
Filtration	Completed			04/29/09		AG	0.45um Filter
Dissolved Metals Preparation	Completed			04/29/09		AG	SW846-3005
Tot. Org. Halogens	0.013	0.010	mg/L	05/06/09		OL	SW9020
<b>Volatiles</b>							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,1,1-Trichloroethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	04/30/09		R/J	SW8260
1,1,2-Trichloroethane	ND	1.0	ug/L	04/30/09		R/J	SW8260

Parameter	Result	RL	Units	Date	Time	By	Reference
1,1-Dichloroethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,1-Dichloroethene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,1-Dichloropropene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2,3-Trichlorobenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2,3-Trichloropropane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2,4-Trichlorobenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2,4-Trimethylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2-Dichlorobenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2-Dichloroethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2-Dichloropropane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,3,5-Trimethylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,3-Dichlorobenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,3-Dichloropropane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,4-Dichlorobenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
2,2-Dichloropropane	ND	1.0	ug/L	04/30/09		R/J	SW8260
2-Chlorotoluene	ND	1.0	ug/L	04/30/09		R/J	SW8260
2-Hexanone	ND	5.0	ug/L	04/30/09		R/J	SW8260
2-Isopropyltoluene	ND	1.0	ug/L	04/30/09		R/J	SW8260
4-Chlorotoluene	ND	1.0	ug/L	04/30/09		R/J	SW8260
4-Methyl-2-pentanone	ND	5.0	ug/L	04/30/09		R/J	SW8260
Acetone	ND	50	ug/L	04/30/09		R/J	SW8260
Acrylonitrile	ND	5.0	ug/L	04/30/09		R/J	SW8260
Benzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Bromobenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Bromochloromethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Bromodichloromethane	ND	0.50	ug/L	04/30/09		R/J	SW8260
Bromoform	ND	1.0	ug/L	04/30/09		R/J	SW8260
Bromomethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Carbon Disulfide	ND	5.0	ug/L	04/30/09		R/J	SW8260
Carbon tetrachloride	ND	1.0	ug/L	04/30/09		R/J	SW8260
Chlorobenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Chloroethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Chloroform	ND	1.0	ug/L	04/30/09		R/J	SW8260
Chloromethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
cis-1,2-Dichloroethene	ND	1.0	ug/L	04/30/09		R/J	SW8260
cis-1,3-Dichloropropene	ND	0.50	ug/L	04/30/09		R/J	SW8260
Dibromochloromethane	ND	0.50	ug/L	04/30/09		R/J	SW8260
Dibromoethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Dibromomethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Dichlorodifluoromethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Ethylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Hexachlorobutadiene	ND	0.40	ug/L	04/30/09		R/J	SW8260
Isopropylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
m&p-Xylene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Methyl ethyl ketone	ND	5.0	ug/L	04/30/09		R/J	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	04/30/09		R/J	SW8260
Methylene chloride	ND	1.0	ug/L	04/30/09		R/J	SW8260
Naphthalene	ND	1.0	ug/L	04/30/09		R/J	SW8260
n-Butylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
n-Propylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
o-Xylene	ND	1.0	ug/L	04/30/09		R/J	SW8260

Parameter	Result	RL	Units	Date	Time	By	Reference
p-Isopropyltoluene	ND	1.0	ug/L	04/30/09		R/J	SW8260
sec-Butylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Styrene	ND	1.0	ug/L	04/30/09		R/J	SW8260
tert-Butylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Tetrachloroethene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Tetrahydrofuran (THF)	ND	5.0	ug/L	04/30/09		R/J	SW8260
Toluene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Total Xylenes	ND	1.0	ug/L	04/30/09		R/J	SW8260
trans-1,2-Dichloroethene	ND	1.0	ug/L	04/30/09		R/J	SW8260
trans-1,3-Dichloropropene	ND	0.50	ug/L	04/30/09		R/J	SW8260
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	04/30/09		R/J	SW8260
Trichloroethene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Trichlorofluoromethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Trichlorotrifluoroethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Vinyl chloride	ND	1.0	ug/L	04/30/09		R/J	SW8260
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4	107		%	04/30/09		R/J	SW8260
% Bromofluorobenzene	97		%	04/30/09		R/J	SW8260
% Dibromofluoromethane	105		%	04/30/09		R/J	SW8260
% Toluene-d8	101		%	04/30/09		R/J	SW8260

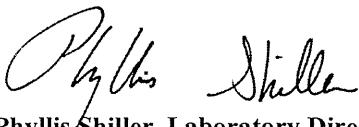
1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters.

**Comments:**

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level



Phyllis Shiller, Laboratory Director  
May 08, 2009



**Environmental Laboratories, Inc.**  
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040  
 Tel. (860) 645-1102 Fax (860) 645-0823



# Analysis Report

May 08, 2009

FOR: Attn: Mr. Phil Rydel  
 Vanasse Hangen Brustlin, Inc.  
 54 Tuttle Place  
 Middletown, CT 06457-1847

## Sample Information

Matrix: GROUND WATER  
 Location Code: VHB  
 Rush Request:  
 P.O.#: 41426

## Custody Information

Collected by:  
 Received by: LB  
 Analyzed by: see "By" below

Date

Time

04/28/09

10:18

04/29/09

17:00

SDG I.D.: GAR61953

Phoenix I.D.: AR61957

## Laboratory Data

Client ID: ENVIRITE LF/THOMASTON MW-41S

Parameter	Result	RL	Units	Date	Time	By	Reference
Barium (Dissolved)	0.069	0.002	mg/L	05/01/09		LK	6010/200.7
Cadmium (Dissolved)	< 0.001	0.001	mg/L	05/01/09		LK	6010/200.7
Chromium (Dissolved)	0.002	0.001	mg/L	05/01/09		LK	6010/200.7
Copper (Dissolved)	0.019	0.001	mg/L	05/01/09		LK	6010/200.7
Iron (Dissolved)	0.036	0.002	mg/L	05/01/09		LK	6010/200.7
Manganese (Dissolved)	0.035	0.001	mg/L	05/01/09		LK	6010/200.7
Sodium (Dissolved)	27.7	0.11	mg/L	05/01/09		LK	6010/200.7
Nickel (Dissolved)	0.006	0.001	mg/L	05/01/09		LK	6010/200.7
Zinc (Dissolved)	0.067	0.002	mg/L	05/01/09		LK	6010/200.7
Chloride	52	3.0	mg/L	04/30/09		B/E/G	300.0
Conductivity	355	2.0	umhos/cm	04/30/09		JC	SM2510B
Ammonia as Nitrogen	0.04	0.02	mg/L	04/30/09		WM	350.1
Nitrite as Nitrogen	< 0.01	0.01	mg/L	04/30/09	9:06	B/E/G	300.0
Nitrate as Nitrogen	3.6	0.05	mg/L	04/30/09	9:06	B/E/G	300.0/9056
Phenolics	< 0.015	0.015	mg/L	05/04/09		LK	E420.4
pH	6.45	0.10	pH	04/30/09	4:43	JC	4500-H B/9040
Sulfate	58	3.0	mg/L	04/30/09	9:06	B/E/G	300.0
Total Cyanide	< 0.01	0.01	mg/L	04/30/09		GD	335.4/9010
Tot. Diss. Solids	240	10	mg/L	04/30/09		C/K/V	SM2540C
Total Organic Carbon	3.5	1.0	mg/L	04/30/09		EG	SM 5310B
Total Suspended Solids	230	5.0	mg/L	04/30/09		CL/KDB	SM2540D
Filtration	Completed			04/29/09		AG	0.45um Filter
Dissolved Metals Preparation	Completed			04/29/09		AG	SW846-3005
Tot. Org. Halogens	0.091	0.010	mg/L	05/06/09		OL	SW9020
<b>Volatiles</b>							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,1,1-Trichloroethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	04/30/09		R/J	SW8260
1,1,2-Trichloroethane	ND	1.0	ug/L	04/30/09		R/J	SW8260

Parameter	Result	RL	Units	Date	Time	By	Reference
1,1-Dichloroethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,1-Dichloroethene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,1-Dichloropropene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2,3-Trichlorobenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2,3-Trichloropropane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2,4-Trichlorobenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2,4-Trimethylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2-Dichlorobenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2-Dichloroethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2-Dichloropropane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,3,5-Trimethylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,3-Dichlorobenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,3-Dichloropropane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,4-Dichlorobenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
2,2-Dichloropropane	ND	1.0	ug/L	04/30/09		R/J	SW8260
2-Chlorotoluene	ND	1.0	ug/L	04/30/09		R/J	SW8260
2-Hexanone	ND	5.0	ug/L	04/30/09		R/J	SW8260
2-Isopropyltoluene	ND	1.0	ug/L	04/30/09		R/J	SW8260
4-Chlorotoluene	ND	1.0	ug/L	04/30/09		R/J	SW8260
4-Methyl-2-pentanone	ND	5.0	ug/L	04/30/09		R/J	SW8260
Acetone	ND	50	ug/L	04/30/09		R/J	SW8260
Acrylonitrile	ND	5.0	ug/L	04/30/09		R/J	SW8260
Benzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Bromobenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Bromochloromethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Bromodichloromethane	ND	0.50	ug/L	04/30/09		R/J	SW8260
Bromoform	ND	1.0	ug/L	04/30/09		R/J	SW8260
Bromomethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Carbon Disulfide	ND	5.0	ug/L	04/30/09		R/J	SW8260
Carbon tetrachloride	ND	1.0	ug/L	04/30/09		R/J	SW8260
Chlorobenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Chloroethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Chloroform	ND	1.0	ug/L	04/30/09		R/J	SW8260
Chloromethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
cis-1,2-Dichloroethene	10	1.0	ug/L	04/30/09		R/J	SW8260
cis-1,3-Dichloropropene	ND	0.50	ug/L	04/30/09		R/J	SW8260
Dibromochloromethane	ND	0.50	ug/L	04/30/09		R/J	SW8260
Dibromoethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Dibromomethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Dichlorodifluoromethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Ethylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Hexachlorobutadiene	ND	0.40	ug/L	04/30/09		R/J	SW8260
Isopropylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
m&p-Xylene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Methyl ethyl ketone	ND	5.0	ug/L	04/30/09		R/J	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	04/30/09		R/J	SW8260
Methylene chloride	ND	1.0	ug/L	04/30/09		R/J	SW8260
Naphthalene	ND	1.0	ug/L	04/30/09		R/J	SW8260
n-Butylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
n-Propylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
o-Xylene	ND	1.0	ug/L	04/30/09		R/J	SW8260

Client ID: ENVIRITE LF/THOMASTON MW-41S

Phoenix I.D.: AR61957

Parameter	Result	RL	Units	Date	Time	By	Reference
p-Isopropyltoluene	ND	1.0	ug/L	04/30/09		R/J	SW8260
sec-Butylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Styrene	ND	1.0	ug/L	04/30/09		R/J	SW8260
tert-Butylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Tetrachloroethene	4.1	1.0	ug/L	04/30/09		R/J	SW8260
Tetrahydrofuran (THF)	ND	5.0	ug/L	04/30/09		R/J	SW8260
Toluene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Total Xylenes	ND	1.0	ug/L	04/30/09		R/J	SW8260
trans-1,2-Dichloroethene	ND	1.0	ug/L	04/30/09		R/J	SW8260
trans-1,3-Dichloropropene	ND	0.50	ug/L	04/30/09		R/J	SW8260
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	04/30/09		R/J	SW8260
Trichloroethene	5.8	1.0	ug/L	04/30/09		R/J	SW8260
Trichlorofluoromethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Trichlorotrifluoroethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Vinyl chloride	ND	1.0	ug/L	04/30/09		R/J	SW8260
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4	101		%	04/30/09		R/J	SW8260
% Bromofluorobenzene	96		%	04/30/09		R/J	SW8260
% Dibromofluoromethane	98		%	04/30/09		R/J	SW8260
% Toluene-d8	94		%	04/30/09		R/J	SW8260

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters.

**Comments:**

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level



Phyllis Shiller, Laboratory Director  
May 08, 2009



## Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040  
 Tel. (860) 645-1102 Fax (860) 645-0823

# Analysis Report

May 08, 2009

FOR: Attn: Mr. Phil Rydel  
 Vanasse Hangen Brustlin, Inc.  
 54 Tuttle Place  
 Middletown, CT 06457-1847

### Sample Information

Matrix: GROUND WATER  
 Location Code: VHB  
 Rush Request:  
 P.O.#: 41426

### Custody Information

Collected by:  
 Received by: LB  
 Analyzed by: see "By" below

Date

Time

04/28/09

10:13

04/29/09

17:00

SDG I.D.: GAR61953

Phoenix I.D.: AR61958

## Laboratory Data

Client ID: ENVIRITE LF/THOMASTON MW-41D

Parameter	Result	RL	Units	Date	Time	By	Reference
Barium (Dissolved)	0.072	0.002	mg/L	05/01/09		LK	6010/200.7
Cadmium (Dissolved)	< 0.001	0.001	mg/L	05/01/09		LK	6010/200.7
Chromium (Dissolved)	< 0.001	0.001	mg/L	05/01/09		LK	6010/200.7
Copper (Dissolved)	< 0.001	0.001	mg/L	05/01/09		LK	6010/200.7
Iron (Dissolved)	0.006	0.002	mg/L	05/01/09		LK	6010/200.7
Manganese (Dissolved)	1.41	0.001	mg/L	05/01/09		LK	6010/200.7
Sodium (Dissolved)	49.2	0.11	mg/L	05/01/09		LK	6010/200.7
Nickel (Dissolved)	0.003	0.001	mg/L	05/01/09		LK	6010/200.7
Zinc (Dissolved)	0.007	0.002	mg/L	05/01/09		LK	6010/200.7
Chloride	87	6.0	mg/L	04/30/09		B/G	300.0
Conductivity	644	2.0	umhos/cm	04/30/09		JC	SM2510B
Ammonia as Nitrogen	0.04	0.02	mg/L	04/30/09		WM	350.1
Nitrite as Nitrogen	< 0.01	0.01	mg/L	04/30/09	9:15	B/E/G	300.0
Nitrate as Nitrogen	7.6	0.10	mg/L	04/30/09	21:03	B/G	300.0/9056
Phenolics	< 0.015	0.015	mg/L	05/04/09		LK	E420.4
pH	6.57	0.10	pH	04/30/09	4:46	JC	4500-H B/9040
Sulfate	110	6.0	mg/L	04/30/09	21:03	B/G	300.0
Total Cyanide	< 0.01	0.01	mg/L	04/30/09		GD	335.4/9010
Tot. Diss. Solids	420	10	mg/L	04/30/09		C/K/V	SM2540C
Total Organic Carbon	1.5	1.0	mg/L	04/30/09		EG	SM 5310B
Total Suspended Solids	130	5.0	mg/L	04/30/09		CL/KDB	SM2540D
Filtration	Completed			04/29/09		AG	0.45um Filter
Dissolved Metals Preparation	Completed			04/29/09		AG	SW846-3005
Tot. Org. Halogens	0.170	0.010	mg/L	05/06/09		OL	SW9020

1

### Volatiles

1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	04/30/09	R/J	SW8260
1,1,1-Trichloroethane	ND	1.0	ug/L	04/30/09	R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	04/30/09	R/J	SW8260
1,1,2-Trichloroethane	ND	1.0	ug/L	04/30/09	R/J	SW8260

Parameter	Result	RL	Units	Date	Time	By	Reference
1,1-Dichloroethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,1-Dichloroethene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,1-Dichloropropene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2,3-Trichlorobenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2,3-Trichloropropane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2,4-Trichlorobenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2,4-Trimethylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2-Dichlorobenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2-Dichloroethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2-Dichloropropane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,3,5-Trimethylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,3-Dichlorobenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,3-Dichloropropane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,4-Dichlorobenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
2,2-Dichloropropane	ND	1.0	ug/L	04/30/09		R/J	SW8260
2-Chlorotoluene	ND	1.0	ug/L	04/30/09		R/J	SW8260
2-Hexanone	ND	5.0	ug/L	04/30/09		R/J	SW8260
2-Isopropyltoluene	ND	1.0	ug/L	04/30/09		R/J	SW8260
4-Chlorotoluene	ND	1.0	ug/L	04/30/09		R/J	SW8260
4-Methyl-2-pentanone	ND	5.0	ug/L	04/30/09		R/J	SW8260
Acetone	ND	50	ug/L	04/30/09		R/J	SW8260
Acrylonitrile	ND	5.0	ug/L	04/30/09		R/J	SW8260
Benzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Bromobenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Bromochloromethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Bromodichloromethane	ND	0.50	ug/L	04/30/09		R/J	SW8260
Bromoform	ND	1.0	ug/L	04/30/09		R/J	SW8260
Bromomethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Carbon Disulfide	ND	5.0	ug/L	04/30/09		R/J	SW8260
Carbon tetrachloride	ND	1.0	ug/L	04/30/09		R/J	SW8260
Chlorobenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Chloroethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Chloroform	ND	1.0	ug/L	04/30/09		R/J	SW8260
Chloromethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
cis-1,2-Dichloroethene	44	5.0	ug/L	04/30/09		R/J	SW8260
cis-1,3-Dichloropropene	ND	0.50	ug/L	04/30/09		R/J	SW8260
Dibromochloromethane	ND	0.50	ug/L	04/30/09		R/J	SW8260
Dibromoethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Dibromomethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Dichlorodifluoromethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Ethylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Hexachlorobutadiene	ND	0.40	ug/L	04/30/09		R/J	SW8260
Isopropylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
m&p-Xylene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Methyl ethyl ketone	ND	5.0	ug/L	04/30/09		R/J	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	04/30/09		R/J	SW8260
Methylene chloride	ND	1.0	ug/L	04/30/09		R/J	SW8260
Naphthalene	ND	1.0	ug/L	04/30/09		R/J	SW8260
n-Butylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
n-Propylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
o-Xylene	ND	1.0	ug/L	04/30/09		R/J	SW8260

Parameter	Result	RL	Units	Date	Time	By	Reference
p-Isopropyltoluene	ND	1.0	ug/L	04/30/09		R/J	SW8260
sec-Butylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Styrene	ND	1.0	ug/L	04/30/09		R/J	SW8260
tert-Butylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Tetrachloroethene	14	1.0	ug/L	04/30/09		R/J	SW8260
Tetrahydrofuran (THF)	ND	5.0	ug/L	04/30/09		R/J	SW8260
Toluene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Total Xylenes	ND	1.0	ug/L	04/30/09		R/J	SW8260
trans-1,2-Dichloroethene	ND	1.0	ug/L	04/30/09		R/J	SW8260
trans-1,3-Dichloropropene	ND	0.50	ug/L	04/30/09		R/J	SW8260
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	04/30/09		R/J	SW8260
Trichloroethene	24	1.0	ug/L	04/30/09		R/J	SW8260
Trichlorofluoromethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Trichlorotrifluoroethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Vinyl chloride	1.9	1.0	ug/L	04/30/09		R/J	SW8260
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4	102		%	04/30/09		R/J	SW8260
% Bromofluorobenzene	97		%	04/30/09		R/J	SW8260
% Dibromofluoromethane	103		%	04/30/09		R/J	SW8260
% Toluene-d8	.96		%	04/30/09		R/J	SW8260

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters.

#### **Comments:**

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level



Phyllis Shiller  
Phyllis Shiller, Laboratory Director  
May 08, 2009



## Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040  
Tel. (860) 645-1102 Fax (860) 645-0823

# Analysis Report

May 08, 2009

FOR: Attn: Mr. Phil Rydel  
Vanasse Hangen Brustlin, Inc.  
54 Tuttle Place  
Middletown, CT 06457-1847

### Sample Information

Matrix: GROUND WATER  
Location Code: VHB  
Rush Request:  
P.O.#: 41426

### Custody Information

Collected by:  
Received by: LB  
Analyzed by: see "By" below

Date Time

04/28/09 10:05  
04/29/09 17:00

SDG I.D.: GAR61953

Phoenix I.D.: AR61959

### Laboratory Data

Client ID: ENVIRITE LF/THOMASTON MW-41B

Parameter	Result	RL	Units	Date	Time	By	Reference
Barium (Dissolved)	0.050	0.002	mg/L	05/01/09		LK	6010/200.7
Cadmium (Dissolved)	0.001	0.001	mg/L	05/01/09		LK	6010/200.7
Chromium (Dissolved)	< 0.001	0.001	mg/L	05/01/09		LK	6010/200.7
Copper (Dissolved)	0.002	0.001	mg/L	05/01/09		LK	6010/200.7
Iron (Dissolved)	0.016	0.002	mg/L	05/01/09		LK	6010/200.7
Manganese (Dissolved)	0.009	0.001	mg/L	05/01/09		LK	6010/200.7
Sodium (Dissolved)	38.1	0.11	mg/L	05/01/09		LK	6010/200.7
Nickel (Dissolved)	0.005	0.001	mg/L	05/01/09		LK	6010/200.7
Zinc (Dissolved)	0.015	0.002	mg/L	05/01/09		LK	6010/200.7
Chloride	130	6.0	mg/L	04/30/09		B/G	300.0
Conductivity	1080	2.0	umhos/cm	04/30/09		JC	SM2510B
Ammonia as Nitrogen	0.05	0.02	mg/L	04/30/09		WM	350.1
Nitrite as Nitrogen	0.07	0.01	mg/L	04/30/09	9:24	B/E/G	300.0
Nitrate as Nitrogen	18	0.50	mg/L	04/30/09	21:21	B/G	300.0/9056
Phenolics	< 0.015	0.015	mg/L	05/04/09		LK	E420.4
pH	7.07	0.10	pH	04/30/09	4:50	JC	4500-H B/9040
Sulfate	300	30	mg/L	04/30/09	21:21	B/G	300.0
Total Cyanide	< 0.01	0.01	mg/L	04/30/09		GD	335.4/9010
Tot. Diss. Solids	930	10	mg/L	04/30/09		C/K/V	SM2540C
Total Organic Carbon	1.4	1.0	mg/L	04/30/09		EG	SM 5310B
Total Suspended Solids	50	5.0	mg/L	04/30/09		CL/KDB	SM2540D
Filtration	Completed			04/29/09		AG	0.45um Filter
Dissolved Metals Preparation	Completed			04/29/09		AG	SW846-3005
Tot. Org. Halogens	0.049	0.010	mg/L	05/06/09		OL	SW9020
<b>Volatiles</b>							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,1,1-Trichloroethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	04/30/09		R/J	SW8260
1,1,2-Trichloroethane	ND	1.0	ug/L	04/30/09		R/J	SW8260

1

Parameter	Result	RL	Units	Date	Time	By	Reference
1,1-Dichloroethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,1-Dichloroethene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,1-Dichloropropene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2,3-Trichlorobenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2,3-Trichloropropane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2,4-Trichlorobenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2,4-Trimethylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2-Dichlorobenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2-Dichloroethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2-Dichloropropane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,3,5-Trimethylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,3-Dichlorobenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,3-Dichloropropane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,4-Dichlorobenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
2,2-Dichloropropane	ND	1.0	ug/L	04/30/09		R/J	SW8260
2-Chlorotoluene	ND	1.0	ug/L	04/30/09		R/J	SW8260
2-Hexanone	ND	5.0	ug/L	04/30/09		R/J	SW8260
2-Isopropyltoluene	ND	1.0	ug/L	04/30/09		R/J	SW8260
4-Chlorotoluene	ND	1.0	ug/L	04/30/09		R/J	SW8260
4-Methyl-2-pentanone	ND	5.0	ug/L	04/30/09		R/J	SW8260
Acetone	ND	50	ug/L	04/30/09		R/J	SW8260
Acrylonitrile	ND	5.0	ug/L	04/30/09		R/J	SW8260
Benzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Bromobenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Bromochloromethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Bromodichloromethane	ND	0.50	ug/L	04/30/09		R/J	SW8260
Bromoform	ND	1.0	ug/L	04/30/09		R/J	SW8260
Bromomethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Carbon Disulfide	ND	5.0	ug/L	04/30/09		R/J	SW8260
Carbon tetrachloride	ND	1.0	ug/L	04/30/09		R/J	SW8260
Chlorobenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Chloroethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Chloroform	ND	1.0	ug/L	04/30/09		R/J	SW8260
Chloromethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
cis-1,2-Dichloroethene	73	5.0	ug/L	04/30/09		R/J	SW8260
cis-1,3-Dichloropropene	ND	0.50	ug/L	04/30/09		R/J	SW8260
Dibromochloromethane	ND	0.50	ug/L	04/30/09		R/J	SW8260
Dibromoethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Dibromomethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Dichlorodifluoromethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Ethylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Hexachlorobutadiene	ND	0.40	ug/L	04/30/09		R/J	SW8260
Isopropylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
m&p-Xylene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Methyl ethyl ketone	ND	5.0	ug/L	04/30/09		R/J	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	04/30/09		R/J	SW8260
Methylene chloride	ND	1.0	ug/L	04/30/09		R/J	SW8260
Naphthalene	ND	1.0	ug/L	04/30/09		R/J	SW8260
n-Butylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
n-Propylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
o-Xylene	ND	1.0	ug/L	04/30/09		R/J	SW8260

Client ID: ENVIRITE LF/THOMASTON MW-41B

Phoenix I.D.: AR61959

Parameter	Result	RL	Units	Date	Time	By	Reference
p-Isopropyltoluene	ND	1.0	ug/L	04/30/09		R/J	SW8260
sec-Butylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Styrene	ND	1.0	ug/L	04/30/09		R/J	SW8260
tert-Butylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Tetrachloroethene	4.0	1.0	ug/L	04/30/09		R/J	SW8260
Tetrahydrofuran (THF)	ND	5.0	ug/L	04/30/09		R/J	SW8260
Toluene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Total Xylenes	ND	1.0	ug/L	04/30/09		R/J	SW8260
trans-1,2-Dichloroethene	ND	1.0	ug/L	04/30/09		R/J	SW8260
trans-1,3-Dichloropropene	ND	0.50	ug/L	04/30/09		R/J	SW8260
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	04/30/09		R/J	SW8260
Trichloroethene	18	1.0	ug/L	04/30/09		R/J	SW8260
Trichlorofluoromethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Trichlorotrifluoroethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Vinyl chloride	ND	1.0	ug/L	04/30/09		R/J	SW8260
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4	109		%	04/30/09		R/J	SW8260
% Bromofluorobenzene	97		%	04/30/09		R/J	SW8260
% Dibromofluoromethane	102		%	04/30/09		R/J	SW8260
% Toluene-d8	97		%	04/30/09		R/J	SW8260

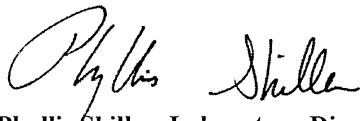
1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters.

#### Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level



Phyllis Shiller, Laboratory Director  
May 08, 2009



## Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040  
Tel. (860) 645-1102 Fax (860) 645-0823

# Analysis Report

May 08, 2009

FOR: Attn: Mr. Phil Rydel  
Vanassee Hangen Brustlin, Inc.  
54 Tuttle Place  
Middletown, CT 06457-1847

### Sample Information

Matrix: GROUND WATER  
Location Code: VHB  
Rush Request:  
P.O.#: 41426

### Custody Information

Collected by:  
Received by: LB  
Analyzed by: see "By" below

Date

Time

04/28/09

10:55

04/29/09

17:00

SDG I.D.: GAR61953

Phoenix I.D.: AR61960

### Laboratory Data

Client ID: ENVIRITE LF/THOMASTON MW-42S

Parameter	Result	RL	Units	Date	Time	By	Reference
Barium (Dissolved)	0.069	0.002	mg/L	05/01/09		LK	6010/200.7
Cadmium (Dissolved)	0.001	0.001	mg/L	05/01/09		LK	6010/200.7
Chromium (Dissolved)	0.001	0.001	mg/L	05/01/09		LK	6010/200.7
Copper (Dissolved)	0.023	0.001	mg/L	05/01/09		LK	6010/200.7
Iron (Dissolved)	0.004	0.002	mg/L	05/01/09		LK	6010/200.7
Manganese (Dissolved)	0.005	0.001	mg/L	05/01/09		LK	6010/200.7
Sodium (Dissolved)	58.8	0.11	mg/L	05/01/09		LK	6010/200.7
Nickel (Dissolved)	0.045	0.001	mg/L	05/01/09		LK	6010/200.7
Zinc (Dissolved)	0.113	0.002	mg/L	05/01/09		LK	6010/200.7
Chloride	93	6.0	mg/L	04/30/09		B/G	300.0
Conductivity	750	2.0	umhos/cm	04/30/09		JC	SM2510B
Ammonia as Nitrogen	0.08	0.02	mg/L	04/30/09		WM	350.1
Nitrite as Nitrogen	< 0.01	0.01	mg/L	04/30/09	10:18	B/E/G	300.0
Nitrate as Nitrogen	12	0.25	mg/L	04/30/09	21:40	B/G	300.0/9056
Phenolics	< 0.015	0.015	mg/L	05/04/09		LK	E420.4
pH	6.49	0.10	pH	04/30/09	4:54	JC	4500-H B/9040
Sulfate	150	6.0	mg/L	04/30/09	21:30	B/G	300.0
Total Cyanide	< 0.01	0.01	mg/L	04/30/09		GD	335.4/9010
Tot. Diss. Solids	500	10	mg/L	04/30/09		C/K/V	SM2540C
Total Organic Carbon	2.6	1.0	mg/L	04/30/09		EG	SM 5310B
Total Suspended Solids	77	5.0	mg/L	04/30/09		CL/KDB	SM2540D
Filtration	Completed			04/29/09		AG	0.45um Filter
Dissolved Metals Preparation	Completed			04/29/09		AG	SW846-3005
Tot. Org. Halogens	0.080	0.010	mg/L	05/06/09		OL	SW9020
<b>Volatiles</b>							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,1,1-Trichloroethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	04/30/09		R/J	SW8260
1,1,2-Trichloroethane	ND	1.0	ug/L	04/30/09		R/J	SW8260

1

Parameter	Result	RL	Units	Date	Time	By	Reference
1,1-Dichloroethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,1-Dichloroethene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,1-Dichloropropene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2,3-Trichlorobenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2,3-Trichloropropane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2,4-Trichlorobenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2,4-Trimethylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2-Dichlorobenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2-Dichloroethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2-Dichloropropane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,3,5-Trimethylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,3-Dichlorobenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,3-Dichloropropane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,4-Dichlorobenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
2,2-Dichloropropane	ND	1.0	ug/L	04/30/09		R/J	SW8260
2-Chlorotoluene	ND	1.0	ug/L	04/30/09		R/J	SW8260
2-Hexanone	ND	5.0	ug/L	04/30/09		R/J	SW8260
2-Isopropyltoluene	ND	1.0	ug/L	04/30/09		R/J	SW8260
4-Chlorotoluene	ND	1.0	ug/L	04/30/09		R/J	SW8260
4-Methyl-2-pentanone	ND	5.0	ug/L	04/30/09		R/J	SW8260
Acetone	ND	50	ug/L	04/30/09		R/J	SW8260
Acrylonitrile	ND	5.0	ug/L	04/30/09		R/J	SW8260
Benzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Bromobenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Bromochloromethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Bromodichloromethane	ND	0.50	ug/L	04/30/09		R/J	SW8260
Bromoform	ND	1.0	ug/L	04/30/09		R/J	SW8260
Bromomethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Carbon Disulfide	ND	5.0	ug/L	04/30/09		R/J	SW8260
Carbon tetrachloride	ND	1.0	ug/L	04/30/09		R/J	SW8260
Chlorobenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Chloroethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Chloroform	ND	1.0	ug/L	04/30/09		R/J	SW8260
Chloromethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
cis-1,2-Dichloroethene	6.9	1.0	ug/L	04/30/09		R/J	SW8260
cis-1,3-Dichloropropene	ND	0.50	ug/L	04/30/09		R/J	SW8260
Dibromochloromethane	ND	0.50	ug/L	04/30/09		R/J	SW8260
Dibromoethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Dibromomethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Dichlorodifluoromethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Ethylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Hexachlorobutadiene	ND	0.40	ug/L	04/30/09		R/J	SW8260
Isopropylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
m&p-Xylene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Methyl ethyl ketone	ND	5.0	ug/L	04/30/09		R/J	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	04/30/09		R/J	SW8260
Methylene chloride	ND	1.0	ug/L	04/30/09		R/J	SW8260
Naphthalene	ND	1.0	ug/L	04/30/09		R/J	SW8260
n-Butylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
n-Propylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
o-Xylene	ND	1.0	ug/L	04/30/09		R/J	SW8260

Parameter	Result	RL	Units	Date	Time	By	Reference
p-Isopropyltoluene	ND	1.0	ug/L	04/30/09		R/J	SW8260
sec-Butylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Styrene	ND	1.0	ug/L	04/30/09		R/J	SW8260
tert-Butylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Tetrachloroethene	7.0	1.0	ug/L	04/30/09		R/J	SW8260
Tetrahydrofuran (THF)	ND	5.0	ug/L	04/30/09		R/J	SW8260
Toluene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Total Xylenes	ND	1.0	ug/L	04/30/09		R/J	SW8260
trans-1,2-Dichloroethene	ND	1.0	ug/L	04/30/09		R/J	SW8260
trans-1,3-Dichloropropene	ND	0.50	ug/L	04/30/09		R/J	SW8260
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	04/30/09		R/J	SW8260
Trichloroethene	8.0	1.0	ug/L	04/30/09		R/J	SW8260
Trichlorofluoromethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Trichlorotrifluoroethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Vinyl chloride	ND	1.0	ug/L	04/30/09		R/J	SW8260
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4	101		%	04/30/09		R/J	SW8260
% Bromofluorobenzene	99		%	04/30/09		R/J	SW8260
% Dibromofluoromethane	102		%	04/30/09		R/J	SW8260
% Toluene-d8	96		%	04/30/09		R/J	SW8260

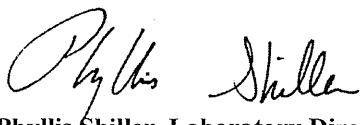
1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters.

**Comments:**

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level



Phyllis Shiller, Laboratory Director  
May 08, 2009



## Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040  
Tel. (860) 645-1102 Fax (860) 645-0823

# Analysis Report

May 08, 2009

FOR: Attn: Mr. Phil Rydel  
Vanasse Hangen Brustlin, Inc.  
54 Tuttle Place  
Middletown, CT 06457-1847

### Sample Information

Matrix: GROUND WATER  
Location Code: VHB  
Rush Request:  
P.O.#: 41426

### Custody Information

Collected by:  
Received by: LB  
Analyzed by: see "By" below

Date Time

04/28/09 10:55  
04/29/09 17:00

SDG I.D.: GAR61953

Phoenix I.D.: AR61961

### Laboratory Data

Client ID: ENVIRITE LF/THOMASTON MW-42S DUP

Parameter	Result	RL	Units	Date	Time	By	Reference
Barium (Dissolved)	0.069	0.002	mg/L	05/01/09		LK	6010/200.7
Cadmium (Dissolved)	0.001	0.001	mg/L	05/01/09		LK	6010/200.7
Chromium (Dissolved)	0.001	0.001	mg/L	05/01/09		LK	6010/200.7
Copper (Dissolved)	0.019	0.001	mg/L	05/01/09		LK	6010/200.7
Iron (Dissolved)	0.014	0.002	mg/L	05/01/09		LK	6010/200.7
Manganese (Dissolved)	0.008	0.001	mg/L	05/01/09		LK	6010/200.7
Sodium (Dissolved)	57.6	0.11	mg/L	05/01/09		LK	6010/200.7
Nickel (Dissolved)	0.045	0.001	mg/L	05/01/09		LK	6010/200.7
Zinc (Dissolved)	0.124	0.002	mg/L	05/01/09		LK	6010/200.7
Chloride	94	6.0	mg/L	04/30/09		B/G	300.0
Conductivity	721	2.0	umhos/cm	04/30/09		JC	SM2510B
Ammonia as Nitrogen	0.06	0.02	mg/L	04/30/09		WM	350.1
Nitrite as Nitrogen	< 0.01	0.01	mg/L	04/30/09	10:28	B/E/G	300.0
Nitrate as Nitrogen	12	0.25	mg/L	04/30/09	22:07	B/G	300.0/9056
Phenolics	< 0.015	0.015	mg/L	05/04/09		LK	E420.4
pH	6.36	0.10	pH	04/30/09	4:57	JC	4500-H B/9040
Sulfate	150	6.0	mg/L	04/30/09	21:58	B/G	300.0
Total Cyanide	< 0.01	0.01	mg/L	04/30/09		GD	335.4/9010
Tot. Diss. Solids	490	10	mg/L	04/30/09		C/K/V	SM2540C
Total Organic Carbon	2.3	1.0	mg/L	04/30/09		EG	SM 5310B
Total Suspended Solids	80	5.0	mg/L	04/30/09		CL/KDB	SM2540D
Filtration	Completed			04/29/09		AG	0.45um Filter
Dissolved Metals Preparation	Completed			04/29/09		AG	SW846-3005
Tot. Org. Halogens	0.025	0.010	mg/L	05/06/09		OL	SW9020
<b>Volatiles</b>							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,1,1-Trichloroethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	04/30/09		R/J	SW8260
1,1,2-Trichloroethane	ND	1.0	ug/L	04/30/09		R/J	SW8260

1

Parameter	Result	RL	Units	Date	Time	By	Reference
1,1-Dichloroethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,1-Dichloroethene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,1-Dichloropropene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2,3-Trichlorobenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2,3-Trichloropropane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2,4-Trichlorobenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2,4-Trimethylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2-Dichlorobenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2-Dichloroethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2-Dichloropropane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,3,5-Trimethylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,3-Dichlorobenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,3-Dichloropropane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,4-Dichlorobenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
2,2-Dichloropropane	ND	1.0	ug/L	04/30/09		R/J	SW8260
2-Chlorotoluene	ND	1.0	ug/L	04/30/09		R/J	SW8260
2-Hexanone	ND	5.0	ug/L	04/30/09		R/J	SW8260
2-Isopropyltoluene	ND	1.0	ug/L	04/30/09		R/J	SW8260
4-Chlorotoluene	ND	1.0	ug/L	04/30/09		R/J	SW8260
4-Methyl-2-pentanone	ND	5.0	ug/L	04/30/09		R/J	SW8260
Acetone	ND	50	ug/L	04/30/09		R/J	SW8260
Acrylonitrile	ND	5.0	ug/L	04/30/09		R/J	SW8260
Benzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Bromobenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Bromochloromethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Bromodichloromethane	ND	0.50	ug/L	04/30/09		R/J	SW8260
Bromoform	ND	1.0	ug/L	04/30/09		R/J	SW8260
Bromomethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Carbon Disulfide	ND	5.0	ug/L	04/30/09		R/J	SW8260
Carbon tetrachloride	ND	1.0	ug/L	04/30/09		R/J	SW8260
Chlorobenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Chloroethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Chloroform	ND	1.0	ug/L	04/30/09		R/J	SW8260
Chloromethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
cis-1,2-Dichloroethene	7.0	1.0	ug/L	04/30/09		R/J	SW8260
cis-1,3-Dichloropropene	ND	0.50	ug/L	04/30/09		R/J	SW8260
Dibromochloromethane	ND	0.50	ug/L	04/30/09		R/J	SW8260
Dibromoethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Dibromomethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Dichlorodifluoromethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Ethylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Hexachlorobutadiene	ND	0.40	ug/L	04/30/09		R/J	SW8260
Isopropylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
m&p-Xylene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Methyl ethyl ketone	ND	5.0	ug/L	04/30/09		R/J	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	04/30/09		R/J	SW8260
Methylene chloride	ND	1.0	ug/L	04/30/09		R/J	SW8260
Naphthalene	ND	1.0	ug/L	04/30/09		R/J	SW8260
n-Butylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
n-Propylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
o-Xylene	ND	1.0	ug/L	04/30/09		R/J	SW8260

Parameter	Result	RL	Units	Date	Time	By	Reference
p-Isopropyltoluene	ND	1.0	ug/L	04/30/09		R/J	SW8260
sec-Butylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Styrene	ND	1.0	ug/L	04/30/09		R/J	SW8260
tert-Butylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Tetrachloroethene	6.5	1.0	ug/L	04/30/09		R/J	SW8260
Tetrahydrofuran (THF)	ND	5.0	ug/L	04/30/09		R/J	SW8260
Toluene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Total Xylenes	ND	1.0	ug/L	04/30/09		R/J	SW8260
trans-1,2-Dichloroethene	ND	1.0	ug/L	04/30/09		R/J	SW8260
trans-1,3-Dichloropropene	ND	0.50	ug/L	04/30/09		R/J	SW8260
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	04/30/09		R/J	SW8260
Trichloroethene	7.5	1.0	ug/L	04/30/09		R/J	SW8260
Trichlorofluoromethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Trichlorotrifluoroethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Vinyl chloride	ND	1.0	ug/L	04/30/09		R/J	SW8260
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4	109		%	04/30/09		R/J	SW8260
% Bromofluorobenzene	98		%	04/30/09		R/J	SW8260
% Dibromofluoromethane	108		%	04/30/09		R/J	SW8260
% Toluene-d8	98		%	04/30/09		R/J	SW8260

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters.

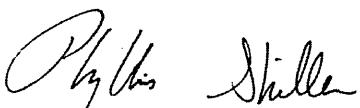
**Comments:**

DUPLICATE INCLUDED

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level



Phyllis Shiller  
Phyllis Shiller, Laboratory Director  
May 08, 2009



**Environmental Laboratories, Inc.**  
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040  
 Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

May 08, 2009

FOR: Attn: Mr. Phil Rydel  
 Vanasse Hangen Brustlin, Inc.  
 54 Tuttle Place  
 Middletown, CT 06457-1847

### Sample Information

Matrix: GROUND WATER  
 Location Code: VHB  
 Rush Request:  
 P.O.#: 41426

### Custody Information

Collected by:  
 Received by: LB  
 Analyzed by: see "By" below

Date

Time

04/28/09

11:45

04/29/09

17:00

SDG I.D.: GAR61953

Phoenix I.D.: AR61962

### Laboratory Data

Client ID: ENVIRITE LF/THOMASTON MW-43S

Parameter	Result	RL	Units	Date	Time	By	Reference
Barium (Dissolved)	0.035	0.002	mg/L	05/01/09		LK	6010/200.7
Cadmium (Dissolved)	0.001	0.001	mg/L	05/01/09		LK	6010/200.7
Chromium (Dissolved)	< 0.001	0.001	mg/L	05/01/09		LK	6010/200.7
Copper (Dissolved)	0.029	0.001	mg/L	05/01/09		LK	6010/200.7
Iron (Dissolved)	0.018	0.002	mg/L	05/01/09		LK	6010/200.7
Manganese (Dissolved)	0.236	0.001	mg/L	05/01/09		LK	6010/200.7
Sodium (Dissolved)	194	1.1	mg/L	05/04/09		EK	6010/200.7
Nickel (Dissolved)	0.024	0.001	mg/L	05/01/09		LK	6010/200.7
Zinc (Dissolved)	0.055	0.002	mg/L	05/01/09		LK	6010/200.7
Chloride	300	30	mg/L	04/30/09		B/G	300.0
Conductivity	1650	2.0	umhos/cm	04/30/09		JC	SM2510B
Ammonia as Nitrogen	0.05	0.02	mg/L	04/30/09		WM	350.1
Nitrite as Nitrogen	< 0.01	0.01	mg/L	04/30/09	10:37	B/E/G	300.0
Nitrate as Nitrogen	54	0.50	mg/L	04/30/09	22:16	B/G	300.0/9056
Phenolics	< 0.015	0.015	mg/L	05/04/09		LK	E420.4
pH	6.08	0.10	pH	04/30/09	5:00	JC	4500-H B/9040
Sulfate	260	30	mg/L	04/30/09	22:16	B/G	300.0
Total Cyanide	< 0.01	0.01	mg/L	04/30/09		GD	335.4/9010
Tot. Diss. Solids	1200	10	mg/L	04/30/09		C/K/V	SM2540C
Total Organic Carbon	2.4	1.0	mg/L	04/30/09		EG	SM 5310B
Total Suspended Solids	60	5.0	mg/L	04/30/09		CL/KDB	SM2540D
Filtration	Completed			04/29/09		AG	0.45um Filter
Dissolved Metals Preparation	Completed			04/29/09		AG	SW846-3005
Tot. Org. Halogens	0.023	0.010	mg/L	05/06/09		OL	SW9020
<b>Volatiles</b>							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,1,1-Trichloroethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	04/30/09		R/J	SW8260
1,1,2-Trichloroethane	ND	1.0	ug/L	04/30/09		R/J	SW8260

Parameter	Result	RL	Units	Date	Time	By	Reference
1,1-Dichloroethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,1-Dichloroethene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,1-Dichloropropene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2,3-Trichlorobenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2,3-Trichloropropane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2,4-Trichlorobenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2,4-Trimethylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2-Dichlorobenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2-Dichloroethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2-Dichloropropane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,3,5-Trimethylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,3-Dichlorobenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,3-Dichloropropane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,4-Dichlorobenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
2,2-Dichloropropane	ND	1.0	ug/L	04/30/09		R/J	SW8260
2-Chlorotoluene	ND	1.0	ug/L	04/30/09		R/J	SW8260
2-Hexanone	ND	5.0	ug/L	04/30/09		R/J	SW8260
2-Isopropyltoluene	ND	1.0	ug/L	04/30/09		R/J	SW8260
4-Chlorotoluene	ND	1.0	ug/L	04/30/09		R/J	SW8260
4-Methyl-2-pentanone	ND	5.0	ug/L	04/30/09		R/J	SW8260
Acetone	ND	50	ug/L	04/30/09		R/J	SW8260
Acrylonitrile	ND	5.0	ug/L	04/30/09		R/J	SW8260
Benzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Bromobenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Bromochloromethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Bromodichloromethane	ND	0.50	ug/L	04/30/09		R/J	SW8260
Bromoform	ND	1.0	ug/L	04/30/09		R/J	SW8260
Bromomethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Carbon Disulfide	ND	5.0	ug/L	04/30/09		R/J	SW8260
Carbon tetrachloride	ND	1.0	ug/L	04/30/09		R/J	SW8260
Chlorobenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Chloroethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Chloroform	ND	1.0	ug/L	04/30/09		R/J	SW8260
Chloromethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
cis-1,2-Dichloroethene	5.0	1.0	ug/L	04/30/09		R/J	SW8260
cis-1,3-Dichloropropene	ND	0.50	ug/L	04/30/09		R/J	SW8260
Dibromochloromethane	ND	0.50	ug/L	04/30/09		R/J	SW8260
Dibromoethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Dibromomethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Dichlorodifluoromethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Ethylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Hexachlorobutadiene	ND	0.40	ug/L	04/30/09		R/J	SW8260
Isopropylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
m&p-Xylene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Methyl ethyl ketone	ND	5.0	ug/L	04/30/09		R/J	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	04/30/09		R/J	SW8260
Methylene chloride	ND	1.0	ug/L	04/30/09		R/J	SW8260
Naphthalene	ND	1.0	ug/L	04/30/09		R/J	SW8260
n-Butylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
n-Propylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
o-Xylene	ND	1.0	ug/L	04/30/09		R/J	SW8260

Parameter	Result	RL	Units	Date	Time	By	Reference
p-Isopropyltoluene	ND	1.0	ug/L	04/30/09		R/J	SW8260
sec-Butylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Styrene	ND	1.0	ug/L	04/30/09		R/J	SW8260
tert-Butylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Tetrachloroethene	14	1.0	ug/L	04/30/09		R/J	SW8260
Tetrahydrofuran (THF)	ND	5.0	ug/L	04/30/09		R/J	SW8260
Toluene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Total Xylenes	ND	1.0	ug/L	04/30/09		R/J	SW8260
trans-1,2-Dichloroethene	ND	1.0	ug/L	04/30/09		R/J	SW8260
trans-1,3-Dichloropropene	ND	0.50	ug/L	04/30/09		R/J	SW8260
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	04/30/09		R/J	SW8260
Trichloroethene	5.4	1.0	ug/L	04/30/09		R/J	SW8260
Trichlorofluoromethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Trichlorotrifluoroethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Vinyl chloride	ND	1.0	ug/L	04/30/09		R/J	SW8260
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4	102		%	04/30/09		R/J	SW8260
% Bromofluorobenzene	97		%	04/30/09		R/J	SW8260
% Dibromofluoromethane	104		%	04/30/09		R/J	SW8260
% Toluene-d8	94		%	04/30/09		R/J	SW8260

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters.

**Comments:**

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level



Phyllis Shiller, Laboratory Director  
May 08, 2009



## Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040  
Tel. (860) 645-1102 Fax (860) 645-0823

# Analysis Report

May 08, 2009

FOR: Attn: Mr. Phil Rydel  
Vanassee Hangen Brustlin, Inc.  
54 Tuttle Place  
Middletown, CT 06457-1847

### Sample Information

Matrix: GROUND WATER  
Location Code: VHB  
Rush Request:  
P.O.#: 41426

### Custody Information

Collected by:  
Received by: LB  
Analyzed by: see "By" below

Date

Time  
04/28/09  
11:35

SDG I.D.: GAR61953  
Phoenix I.D.: AR61963

### Laboratory Data

Client ID: ENVIRITE LF/THOMASTON MW-43D

Parameter	Result	RL	Units	Date	Time	By	Reference
Barium (Dissolved)	0.025	0.002	mg/L	05/01/09		LK	6010/200.7
Cadmium (Dissolved)	0.005	0.001	mg/L	05/01/09		LK	6010/200.7
Chromium (Dissolved)	< 0.001	0.001	mg/L	05/01/09		LK	6010/200.7
Copper (Dissolved)	0.320	0.001	mg/L	05/01/09		LK	6010/200.7
Iron (Dissolved)	0.006	0.002	mg/L	05/01/09		LK	6010/200.7
Manganese (Dissolved)	0.789	0.001	mg/L	05/01/09		LK	6010/200.7
Sodium (Dissolved)	154	1.1	mg/L	05/04/09		EK	6010/200.7
Nickel (Dissolved)	0.093	0.001	mg/L	05/01/09		LK	6010/200.7
Zinc (Dissolved)	0.347	0.002	mg/L	05/01/09		LK	6010/200.7
Chloride	270	30	mg/L	04/30/09		B/G	300.0
Conductivity	1550	2.0	umhos/cm	04/30/09		JC	SM2510B
Ammonia as Nitrogen	0.4	0.02	mg/L	05/04/09		WM	350.1
Nitrite as Nitrogen	< 0.01	0.01	mg/L	04/30/09	10:46	B/E/G	300.0
Nitrate as Nitrogen	44	0.50	mg/L	04/30/09	22:34	B/G	300.0/9056
Phenolics	< 0.015	0.015	mg/L	05/04/09		LK	E420.4
pH	5.95	0.10	pH	04/30/09	5:03	JC	4500-H B/9040
Sulfate	250	30	mg/L	04/30/09	22:34	B/G	300.0
Total Cyanide	< 0.01	0.01	mg/L	04/30/09		E/G	335.4/9010
Tot. Diss. Solids	1100	10	mg/L	04/30/09		C/K/V	SM2540C
Total Organic Carbon	2.0	1.0	mg/L	04/30/09		EG	SM 5310B
Total Suspended Solids	31	5.0	mg/L	04/30/09		CL/KDB	SM2540D
Filtration	Completed			04/29/09		AG	0.45um Filter
Dissolved Metals Preparation	Completed			04/29/09		AG	SW846-3005
Tot. Org. Halogens	0.045	0.010	mg/L	05/06/09		OL	SW9020
<b>Volatiles</b>							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,1,1-Trichloroethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	04/30/09		R/J	SW8260
1,1,2-Trichloroethane	ND	1.0	ug/L	04/30/09		R/J	SW8260

1

Parameter	Result	RL	Units	Date	Time	By	Reference
1,1-Dichloroethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,1-Dichloroethene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,1-Dichloropropene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2,3-Trichlorobenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2,3-Trichloropropane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2,4-Trichlorobenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2,4-Trimethylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2-Dichlorobenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2-Dichloroethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2-Dichloropropane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,3,5-Trimethylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,3-Dichlorobenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,3-Dichloropropane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,4-Dichlorobenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
2,2-Dichloropropane	ND	1.0	ug/L	04/30/09		R/J	SW8260
2-Chlorotoluene	ND	1.0	ug/L	04/30/09		R/J	SW8260
2-Hexanone	ND	5.0	ug/L	04/30/09		R/J	SW8260
2-Isopropyltoluene	ND	1.0	ug/L	04/30/09		R/J	SW8260
4-Chlorotoluene	ND	1.0	ug/L	04/30/09		R/J	SW8260
4-Methyl-2-pentanone	ND	5.0	ug/L	04/30/09		R/J	SW8260
Acetone	ND	50	ug/L	04/30/09		R/J	SW8260
Acrylonitrile	ND	5.0	ug/L	04/30/09		R/J	SW8260
Benzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Bromobenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Bromochloromethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Bromodichloromethane	ND	0.50	ug/L	04/30/09		R/J	SW8260
Bromoform	ND	1.0	ug/L	04/30/09		R/J	SW8260
Bromomethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Carbon Disulfide	ND	5.0	ug/L	04/30/09		R/J	SW8260
Carbon tetrachloride	ND	1.0	ug/L	04/30/09		R/J	SW8260
Chlorobenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Chloroethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Chloroform	ND	1.0	ug/L	04/30/09		R/J	SW8260
Chloromethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
cis-1,2-Dichloroethene	29	1.0	ug/L	04/30/09		R/J	SW8260
cis-1,3-Dichloropropene	ND	0.50	ug/L	04/30/09		R/J	SW8260
Dibromochloromethane	ND	0.50	ug/L	04/30/09		R/J	SW8260
Dibromoethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Dibromomethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Dichlorodifluoromethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Ethylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Hexachlorobutadiene	ND	0.40	ug/L	04/30/09		R/J	SW8260
Isopropylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
m&p-Xylene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Methyl ethyl ketone	ND	5.0	ug/L	04/30/09		R/J	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	04/30/09		R/J	SW8260
Methylene chloride	ND	1.0	ug/L	04/30/09		R/J	SW8260
Naphthalene	ND	1.0	ug/L	04/30/09		R/J	SW8260
n-Butylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
n-Propylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
o-Xylene	ND	1.0	ug/L	04/30/09		R/J	SW8260

Parameter	Result	RL	Units	Date	Time	By	Reference
p-Isopropyltoluene	ND	1.0	ug/L	04/30/09		R/J	SW8260
sec-Butylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Styrene	ND	1.0	ug/L	04/30/09		R/J	SW8260
tert-Butylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Tetrachloroethene	13	1.0	ug/L	04/30/09		R/J	SW8260
Tetrahydrofuran (THF)	ND	5.0	ug/L	04/30/09		R/J	SW8260
Toluene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Total Xylenes	ND	1.0	ug/L	04/30/09		R/J	SW8260
trans-1,2-Dichloroethene	ND	1.0	ug/L	04/30/09		R/J	SW8260
trans-1,3-Dichloropropene	ND	0.50	ug/L	04/30/09		R/J	SW8260
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	04/30/09		R/J	SW8260
Trichloroethene	19	1.0	ug/L	04/30/09		R/J	SW8260
Trichlorofluoromethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Trichlorotrifluoroethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Vinyl chloride	ND	1.0	ug/L	04/30/09		R/J	SW8260
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4	109		%	04/30/09		R/J	SW8260
% Bromofluorobenzene	98		%	04/30/09		R/J	SW8260
% Dibromofluoromethane	109		%	04/30/09		R/J	SW8260
% Toluene-d8	98		%	04/30/09		R/J	SW8260

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters.

**Comments:**

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level



Phyllis Shiller, Laboratory Director  
May 08, 2009



### Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

May 08, 2009

FOR: Attn: Mr. Phil Rydel  
Vanassee Hangen Brustlin, Inc.  
54 Tuttle Place  
Middletown, CT 06457-1847

### Sample Information

Matrix: GROUND WATER  
Location Code: VHB  
Rush Request:  
P.O.#: 41426

### Custody Information

Collected by:  
Received by: LB  
Analyzed by: see "By" below

Date Time

04/28/09 15:30  
04/29/09 17:00

SDG I.D.: GAR61953

Phoenix I.D.: AR61964

### Laboratory Data

Client ID: ENVIRITE LF/THOMASTON MW-44D

Parameter	Result	RL	Units	Date	Time	By	Reference
Barium (Dissolved)	0.040	0.002	mg/L	05/01/09		LK	6010/200.7
Cadmium (Dissolved)	< 0.001	0.001	mg/L	05/01/09		LK	6010/200.7
Chromium (Dissolved)	< 0.001	0.001	mg/L	05/01/09		LK	6010/200.7
Copper (Dissolved)	0.004	0.001	mg/L	05/01/09		LK	6010/200.7
Iron (Dissolved)	0.008	0.002	mg/L	05/01/09		LK	6010/200.7
Manganese (Dissolved)	0.022	0.001	mg/L	05/01/09		LK	6010/200.7
Sodium (Dissolved)	44.4	0.11	mg/L	05/01/09		LK	6010/200.7
Nickel (Dissolved)	0.004	0.001	mg/L	05/01/09		LK	6010/200.7
Zinc (Dissolved)	0.024	0.002	mg/L	05/01/09		LK	6010/200.7
Chloride	74	6.0	mg/L	04/30/09		B/G	300.0
Conductivity	417	2.0	umhos/cm	04/30/09		JC	SM2510B
Ammonia as Nitrogen	< 0.02	0.02	mg/L	05/04/09		WM	350.1
Nitrite as Nitrogen	< 0.01	0.01	mg/L	04/30/09	10:55	B/E/G	300.0
Nitrate as Nitrogen	3.2	0.05	mg/L	04/30/09	10:55	B/E/G	300.0/9056
Phenolics	< 0.015	0.015	mg/L	05/04/09		LK	E420.4
pH	6.88	0.10	pH	04/30/09	5:09	JC	4500-H B/9040
Sulfate	42	3.0	mg/L	04/30/09	10:55	B/E/G	300.0
Total Cyanide	< 0.01	0.01	mg/L	04/30/09		E/G	335.4/9010
Tot. Diss. Solids	280	10	mg/L	04/30/09		C/K/V	SM2540C
Total Organic Carbon	1.0	1.0	mg/L	04/30/09		EG	SM 5310B
Total Suspended Solids	12	5.0	mg/L	04/30/09		CL/KDB	SM2540D
Filtration	Completed			04/29/09		AG	0.45um Filter
Dissolved Metals Preparation	Completed			04/29/09		AG	SW846-3005
Tot. Org. Halogens	0.016	0.010	mg/L	05/06/09		OL	SW9020
<b>Volatiles</b>							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,1,1-Trichloroethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	04/30/09		R/J	SW8260
1,1,2-Trichloroethane	ND	1.0	ug/L	04/30/09		R/J	SW8260

Parameter	Result	RL	Units	Date	Time	By	Reference
1,1-Dichloroethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,1-Dichloroethene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,1-Dichloropropene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2,3-Trichlorobenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2,3-Trichloropropane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2,4-Trichlorobenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2,4-Trimethylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2-Dichlorobenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2-Dichloroethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2-Dichloropropane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,3,5-Trimethylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,3-Dichlorobenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,3-Dichloropropane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,4-Dichlorobenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
2,2-Dichloropropane	ND	1.0	ug/L	04/30/09		R/J	SW8260
2-Chlorotoluene	ND	1.0	ug/L	04/30/09		R/J	SW8260
2-Hexanone	ND	5.0	ug/L	04/30/09		R/J	SW8260
2-Isopropyltoluene	ND	1.0	ug/L	04/30/09		R/J	SW8260
4-Chlorotoluene	ND	1.0	ug/L	04/30/09		R/J	SW8260
4-Methyl-2-pentanone	ND	5.0	ug/L	04/30/09		R/J	SW8260
Acetone	ND	50	ug/L	04/30/09		R/J	SW8260
Acrylonitrile	ND	5.0	ug/L	04/30/09		R/J	SW8260
Benzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Bromobenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Bromochloromethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Bromodichloromethane	ND	0.50	ug/L	04/30/09		R/J	SW8260
Bromoform	ND	1.0	ug/L	04/30/09		R/J	SW8260
Bromomethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Carbon Disulfide	ND	5.0	ug/L	04/30/09		R/J	SW8260
Carbon tetrachloride	ND	1.0	ug/L	04/30/09		R/J	SW8260
Chlorobenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Chloroethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Chloroform	ND	1.0	ug/L	04/30/09		R/J	SW8260
Chloromethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
cis-1,2-Dichloroethene	5.4	1.0	ug/L	04/30/09		R/J	SW8260
cis-1,3-Dichloropropene	ND	0.50	ug/L	04/30/09		R/J	SW8260
Dibromochloromethane	ND	0.50	ug/L	04/30/09		R/J	SW8260
Dibromoethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Dibromomethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Dichlorodifluoromethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Ethylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Hexachlorobutadiene	ND	0.40	ug/L	04/30/09		R/J	SW8260
Isopropylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
m&p-Xylene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Methyl ethyl ketone	ND	5.0	ug/L	04/30/09		R/J	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	04/30/09		R/J	SW8260
Methylene chloride	ND	1.0	ug/L	04/30/09		R/J	SW8260
Naphthalene	ND	1.0	ug/L	04/30/09		R/J	SW8260
n-Butylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
n-Propylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
o-Xylene	ND	1.0	ug/L	04/30/09		R/J	SW8260

Parameter	Result	RL	Units	Date	Time	By	Reference
p-Isopropyltoluene	ND	1.0	ug/L	04/30/09		R/J	SW8260
sec-Butylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Styrene	ND	1.0	ug/L	04/30/09		R/J	SW8260
tert-Butylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Tetrachloroethene	8.0	1.0	ug/L	04/30/09		R/J	SW8260
Tetrahydrofuran (THF)	ND	5.0	ug/L	04/30/09		R/J	SW8260
Toluene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Total Xylenes	ND	1.0	ug/L	04/30/09		R/J	SW8260
trans-1,2-Dichloroethene	ND	1.0	ug/L	04/30/09		R/J	SW8260
trans-1,3-Dichloropropene	ND	0.50	ug/L	04/30/09		R/J	SW8260
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	04/30/09		R/J	SW8260
Trichloroethene	5.8	1.0	ug/L	04/30/09		R/J	SW8260
Trichlorofluoromethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Trichlorotrifluoroethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Vinyl chloride	ND	1.0	ug/L	04/30/09		R/J	SW8260
<b>QA/QC Surrogates</b>							
% 1,2-dichlorobenzene-d4	101		%	04/30/09		R/J	SW8260
% Bromofluorobenzene	98		%	04/30/09		R/J	SW8260
% Dibromofluoromethane	104		%	04/30/09		R/J	SW8260
% Toluene-d8	96		%	04/30/09		R/J	SW8260

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters.

**Comments:**

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level



Phyllis Shiller, Laboratory Director  
May 08, 2009



## Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040  
Tel. (860) 645-1102 Fax (860) 645-0823

# Analysis Report

May 08, 2009

FOR: Attn: Mr. Phil Rydel  
Vanassee Hangen Brustlin, Inc.  
54 Tuttle Place  
Middletown, CT 06457-1847

### Sample Information

Matrix: GROUND WATER  
Location Code: VHB  
Rush Request:  
P.O.#: 41426

### Custody Information

Collected by:  
Received by: LB  
Analyzed by: see "By" below

Date

Time  
04/28/09  
12:50

SDG I.D.: GAR61953  
Phoenix I.D.: AR61965

### Laboratory Data

Client ID: ENVIRITE LF/THOMASTON MW-44B

Parameter	Result	RL	Units	Date	Time	By	Reference
Barium (Dissolved)	0.016	0.002	mg/L	05/01/09		LK	6010/200.7
Cadmium (Dissolved)	< 0.001	0.001	mg/L	05/01/09		LK	6010/200.7
Chromium (Dissolved)	< 0.001	0.001	mg/L	05/01/09		LK	6010/200.7
Copper (Dissolved)	0.004	0.001	mg/L	05/01/09		LK	6010/200.7
Iron (Dissolved)	0.003	0.002	mg/L	05/01/09		LK	6010/200.7
Manganese (Dissolved)	0.341	0.001	mg/L	05/01/09		LK	6010/200.7
Sodium (Dissolved)	75.4	1.1	mg/L	05/04/09		EK	6010/200.7
Nickel (Dissolved)	0.022	0.001	mg/L	05/01/09		LK	6010/200.7
Zinc (Dissolved)	0.059	0.002	mg/L	05/01/09		LK	6010/200.7
Chloride	110	6.0	mg/L	04/30/09		B/G	300.0
Conductivity	680	2.0	umhos/cm	04/30/09		JC	SM2510B
Ammonia as Nitrogen	0.07	0.02	mg/L	05/04/09		WM	350.1
Nitrite as Nitrogen	< 0.01	0.01	mg/L	04/30/09	11:04	B/E/G	300.0
Nitrate as Nitrogen	7.3	0.10	mg/L	04/30/09	23:02	B/G	300.0/9056
Phenolics	< 0.015	0.015	mg/L	05/04/09		LK	E420.4
pH	9.06	0.10	pH	04/30/09	5:39	JC	4500-H B/9040
Sulfate	86	6.0	mg/L	04/30/09	23:02	B/G	300.0
Total Cyanide	< 0.01	0.01	mg/L	04/30/09		E/G	335.4/9010
Tot. Diss. Solids	410	10	mg/L	04/30/09		C/K/V	SM2540C
Total Organic Carbon	1.1	1.0	mg/L	04/30/09		EG	SM 5310B
Total Suspended Solids	< 5.0	5.0	mg/L	04/30/09		CL/KDB	SM2540D
Filtration	Completed			04/29/09		AG	0.45um Filter
Dissolved Metals Preparation	Completed			04/29/09		AG	SW846-3005
Tot. Org. Halogens	0.043	0.010	mg/L	05/06/09		OL	SW9020
<b>Volatiles</b>							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,1,1-Trichloroethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	04/30/09		R/J	SW8260
1,1,2-Trichloroethane	ND	1.0	ug/L	04/30/09		R/J	SW8260

1

Parameter	Result	RL	Units	Date	Time	By	Reference
1,1-Dichloroethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,1-Dichloroethene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,1-Dichloropropene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2,3-Trichlorobenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2,3-Trichloropropane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2,4-Trichlorobenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2,4-Trimethylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2-Dichlorobenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2-Dichloroethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2-Dichloropropane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,3,5-Trimethylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,3-Dichlorobenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,3-Dichloropropane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,4-Dichlorobenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
2,2-Dichloropropane	ND	1.0	ug/L	04/30/09		R/J	SW8260
2-Chlorotoluene	ND	1.0	ug/L	04/30/09		R/J	SW8260
2-Hexanone	ND	5.0	ug/L	04/30/09		R/J	SW8260
2-Isopropyltoluene	ND	1.0	ug/L	04/30/09		R/J	SW8260
4-Chlorotoluene	ND	1.0	ug/L	04/30/09		R/J	SW8260
4-Methyl-2-pentanone	ND	5.0	ug/L	04/30/09		R/J	SW8260
Acetone	ND	50	ug/L	04/30/09		R/J	SW8260
Acrylonitrile	ND	5.0	ug/L	04/30/09		R/J	SW8260
Benzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Bromobenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Bromochloromethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Bromodichloromethane	ND	0.50	ug/L	04/30/09		R/J	SW8260
Bromoform	ND	1.0	ug/L	04/30/09		R/J	SW8260
Bromomethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Carbon Disulfide	ND	5.0	ug/L	04/30/09		R/J	SW8260
Carbon tetrachloride	ND	1.0	ug/L	04/30/09		R/J	SW8260
Chlorobenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Chloroethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Chloroform	ND	1.0	ug/L	04/30/09		R/J	SW8260
Chloromethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
cis-1,2-Dichloroethene	21	1.0	ug/L	04/30/09		R/J	SW8260
cis-1,3-Dichloropropene	ND	0.50	ug/L	04/30/09		R/J	SW8260
Dibromochloromethane	ND	0.50	ug/L	04/30/09		R/J	SW8260
Dibromoethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Dibromomethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Dichlorodifluoromethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Ethylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Hexachlorobutadiene	ND	0.40	ug/L	04/30/09		R/J	SW8260
Isopropylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
m&p-Xylene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Methyl ethyl ketone	ND	5.0	ug/L	04/30/09		R/J	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	04/30/09		R/J	SW8260
Methylene chloride	ND	1.0	ug/L	04/30/09		R/J	SW8260
Naphthalene	ND	1.0	ug/L	04/30/09		R/J	SW8260
n-Butylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
n-Propylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
o-Xylene	ND	1.0	ug/L	04/30/09		R/J	SW8260

Parameter	Result	RL	Units	Date	Time	By	Reference
p-Isopropyltoluene	ND	1.0	ug/L	04/30/09		R/J	SW8260
sec-Butylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Styrene	ND	1.0	ug/L	04/30/09		R/J	SW8260
tert-Butylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Tetrachloroethene	9.2	1.0	ug/L	04/30/09		R/J	SW8260
Tetrahydrofuran (THF)	ND	5.0	ug/L	04/30/09		R/J	SW8260
Toluene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Total Xylenes	ND	1.0	ug/L	04/30/09		R/J	SW8260
trans-1,2-Dichloroethene	ND	1.0	ug/L	04/30/09		R/J	SW8260
trans-1,3-Dichloropropene	ND	0.50	ug/L	04/30/09		R/J	SW8260
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	04/30/09		R/J	SW8260
Trichloroethene	24	1.0	ug/L	04/30/09		R/J	SW8260
Trichlorofluoromethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Trichlorotrifluoroethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Vinyl chloride	ND	1.0	ug/L	04/30/09		R/J	SW8260
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4	110		%	04/30/09		R/J	SW8260
% Bromofluorobenzene	98		%	04/30/09		R/J	SW8260
% Dibromofluoromethane	108		%	04/30/09		R/J	SW8260
% Toluene-d8	96		%	04/30/09		R/J	SW8260

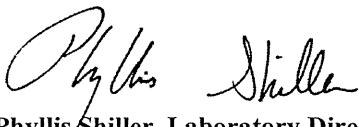
1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters.

#### Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level



Phyllis Shiller, Laboratory Director  
May 08, 2009



## Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040  
Tel. (860) 645-1102 Fax (860) 645-0823

# Analysis Report

May 08, 2009

FOR: Attn: Mr. Phil Rydel  
Vanasse Hangen Brustlin, Inc.  
54 Tuttle Place  
Middletown, CT 06457-1847

### Sample Information

Matrix: GROUND WATER  
Location Code: VHB  
Rush Request:  
P.O.#: 41426

### Custody Information

Collected by:  
Received by: LB  
Analyzed by: see "By" below

Date

Time

04/28/09 12:50

04/29/09 17:00

SDG I.D.: GAR61953

Phoenix I.D.: AR61966

### Laboratory Data

Client ID: ENVIRITE LF/THOMASTON TRIP BLANK

Parameter	Result	RL	Units	Date	Time	By	Reference
Barium (Dissolved)	< 0.002	0.002	mg/L	05/01/09		LK	6010/200.7
Cadmium (Dissolved)	< 0.001	0.001	mg/L	05/01/09		LK	6010/200.7
Chromium (Dissolved)	< 0.001	0.001	mg/L	05/01/09		LK	6010/200.7
Copper (Dissolved)	< 0.001	0.001	mg/L	05/01/09		LK	6010/200.7
Iron (Dissolved)	< 0.002	0.002	mg/L	05/01/09		LK	6010/200.7
Manganese (Dissolved)	< 0.001	0.001	mg/L	05/01/09		LK	6010/200.7
Sodium (Dissolved)	0.12	0.11	mg/L	05/01/09		LK	6010/200.7
Nickel (Dissolved)	< 0.001	0.001	mg/L	05/01/09		LK	6010/200.7
Zinc (Dissolved)	0.002	0.002	mg/L	05/01/09		LK	6010/200.7
Chloride	< 3.0	3.0	mg/L	04/30/09		B/E/G	300.0
Conductivity	2.3	2.0	umhos/cm	04/30/09		JC	SM2510B
Ammonia as Nitrogen	< 0.02	0.02	mg/L	05/04/09		WM	350.1
Nitrite as Nitrogen	< 0.01	0.01	mg/L	04/30/09	11:13	B/E/G	300.0
Nitrate as Nitrogen	< 0.05	0.05	mg/L	04/30/09	11:13	B/E/G	300.0/9056
Phenolics	< 0.015	0.015	mg/L	05/04/09		LK	E420.4
pH	6.98	0.10	pH	04/30/09	5:42	JC	4500-H B/9040
Sulfate	< 3.0	3.0	mg/L	04/30/09	11:13	B/E/G	300.0
Total Cyanide	< 0.01	0.01	mg/L	05/05/09		C/G	335.4/9010
Tot. Diss. Solids	< 10	10	mg/L	04/30/09		C/K/V	SM2540C
Total Organic Carbon	< 1.0	1.0	mg/L	04/30/09		EG	SM 5310B
Total Suspended Solids	< 5.0	5.0	mg/L	04/30/09		CL/KDB	SM2540D
Filtration	Completed			04/29/09		AG	0.45um Filter
Dissolved Metals Preparation	Completed			04/29/09		AG	SW846-3005
Tot. Org. Halogens	BDL	0.010	ug/L	05/06/09		OL	SW9020
<hr/>							
<b>Volatiles</b>							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,1,1-Trichloroethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	04/30/09		R/J	SW8260
1,1,2-Trichloroethane	ND	1.0	ug/L	04/30/09		R/J	SW8260

Parameter	Result	RL	Units	Date	Time	By	Reference
1,1-Dichloroethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,1-Dichloroethene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,1-Dichloropropene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2,3-Trichlorobenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2,3-Trichloropropane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2,4-Trichlorobenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2,4-Trimethylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2-Dichlorobenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2-Dichloroethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2-Dichloropropane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,3,5-Trimethylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,3-Dichlorobenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,3-Dichloropropane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,4-Dichlorobenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
2,2-Dichloropropane	ND	1.0	ug/L	04/30/09		R/J	SW8260
2-Chlorotoluene	ND	1.0	ug/L	04/30/09		R/J	SW8260
2-Hexanone	ND	5.0	ug/L	04/30/09		R/J	SW8260
2-Isopropyltoluene	ND	1.0	ug/L	04/30/09		R/J	SW8260
4-Chlorotoluene	ND	1.0	ug/L	04/30/09		R/J	SW8260
4-Methyl-2-pentanone	ND	5.0	ug/L	04/30/09		R/J	SW8260
Acetone	ND	50	ug/L	04/30/09		R/J	SW8260
Acrylonitrile	ND	5.0	ug/L	04/30/09		R/J	SW8260
Benzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Bromobenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Bromochloromethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Bromodichloromethane	ND	0.50	ug/L	04/30/09		R/J	SW8260
Bromoform	ND	1.0	ug/L	04/30/09		R/J	SW8260
Bromomethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Carbon Disulfide	ND	5.0	ug/L	04/30/09		R/J	SW8260
Carbon tetrachloride	ND	1.0	ug/L	04/30/09		R/J	SW8260
Chlorobenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Chloroethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Chloroform	ND	1.0	ug/L	04/30/09		R/J	SW8260
Chloromethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
cis-1,2-Dichloroethene	ND	1.0	ug/L	04/30/09		R/J	SW8260
cis-1,3-Dichloropropene	ND	0.50	ug/L	04/30/09		R/J	SW8260
Dibromochloromethane	ND	0.50	ug/L	04/30/09		R/J	SW8260
Dibromoethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Dibromomethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Dichlorodifluoromethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Ethylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Hexachlorobutadiene	ND	0.40	ug/L	04/30/09		R/J	SW8260
Isopropylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
m&p-Xylene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Methyl ethyl ketone	ND	5.0	ug/L	04/30/09		R/J	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	04/30/09		R/J	SW8260
Methylene chloride	ND	1.0	ug/L	04/30/09		R/J	SW8260
Naphthalene	ND	1.0	ug/L	04/30/09		R/J	SW8260
n-Butylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
n-Propylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
o-Xylene	ND	1.0	ug/L	04/30/09		R/J	SW8260

Client ID: ENVIRITE LF/THOMASTON TRIP BLANK

Phoenix I.D.: AR61966

Parameter	Result	RL	Units	Date	Time	By	Reference
p-Isopropyltoluene	ND	1.0	ug/L	04/30/09		R/J	SW8260
sec-Butylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Styrene	ND	1.0	ug/L	04/30/09		R/J	SW8260
tert-Butylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Tetrachloroethene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Tetrahydrofuran (THF)	ND	5.0	ug/L	04/30/09		R/J	SW8260
Toluene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Total Xylenes	ND	1.0	ug/L	04/30/09		R/J	SW8260
trans-1,2-Dichloroethene	ND	1.0	ug/L	04/30/09		R/J	SW8260
trans-1,3-Dichloropropene	ND	0.50	ug/L	04/30/09		R/J	SW8260
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	04/30/09		R/J	SW8260
Trichloroethene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Trichlorofluoromethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Trichlorotrifluoroethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Vinyl chloride	ND	1.0	ug/L	04/30/09		R/J	SW8260
<b>QA/QC Surrogates</b>							
% 1,2-dichlorobenzene-d4	104		%	04/30/09		R/J	SW8260
% Bromofluorobenzene	95		%	04/30/09		R/J	SW8260
% Dibromofluoromethane	101		%	04/30/09		R/J	SW8260
% Toluene-d8	97		%	04/30/09		R/J	SW8260

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters.

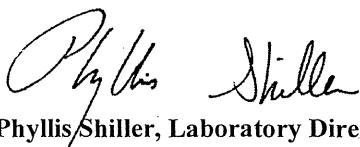
**Comments:**

TRIP BLANK INCLUDED

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level



Phyllis Shiller, Laboratory Director  
May 08, 2009



**Environmental Laboratories, Inc.**  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040  
Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

May 08, 2009

FOR: Attn: Mr. Phil Rydel  
Vanassee Hangen Brustlin, Inc.  
54 Tuttle Place  
Middletown, CT 06457-1847

### Sample Information

Matrix: GROUND WATER  
Location Code: VHB  
Rush Request:  
P.O.#: 41426

### Custody Information

Collected by:  
Received by: LB  
Analyzed by: see "By" below

Date

Time

04/28/09

12:50

04/29/09

17:00

SDG I.D.: GAR61953

Phoenix I.D.: AR61967

### Laboratory Data

Client ID: ENVIRITE LF/THOMASTON FIELD BLANK

Parameter	Result	RL	Units	Date	Time	By	Reference
<b>Volatiles</b>							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,1,1-Trichloroethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	04/30/09		R/J	SW8260
1,1,2-Trichloroethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,1-Dichloroethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,1-Dichloroethene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,1-Dichloropropene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2,3-Trichlorobenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2,3-Trichloropropane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2,4-Trichlorobenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2,4-Trimethylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2-Dichlorobenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2-Dichloroethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2-Dichloropropane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,3,5-Trimethylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,3-Dichlorobenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,3-Dichloropropane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,4-Dichlorobenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
2,2-Dichloropropane	ND	1.0	ug/L	04/30/09		R/J	SW8260
2-Chlorotoluene	ND	1.0	ug/L	04/30/09		R/J	SW8260
2-Hexanone	ND	5.0	ug/L	04/30/09		R/J	SW8260
2-Isopropyltoluene	ND	1.0	ug/L	04/30/09		R/J	SW8260
4-Chlorotoluene	ND	1.0	ug/L	04/30/09		R/J	SW8260
4-Methyl-2-pentanone	ND	5.0	ug/L	04/30/09		R/J	SW8260
Acetone	ND	50	ug/L	04/30/09		R/J	SW8260
Acrylonitrile	ND	5.0	ug/L	04/30/09		R/J	SW8260
Benzene	ND	1.0	ug/L	04/30/09		R/J	SW8260

Parameter	Result	RL	Units	Date	Time	By	Reference
Bromobenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Bromoform	ND	1.0	ug/L	04/30/09		R/J	SW8260
Bromochloromethane	ND	0.50	ug/L	04/30/09		R/J	SW8260
Bromomethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Carbon Disulfide	ND	5.0	ug/L	04/30/09		R/J	SW8260
Carbon tetrachloride	ND	1.0	ug/L	04/30/09		R/J	SW8260
Chlorobenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Chloroethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Chloroform	ND	1.0	ug/L	04/30/09		R/J	SW8260
Chloromethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
cis-1,2-Dichloroethene	ND	1.0	ug/L	04/30/09		R/J	SW8260
cis-1,3-Dichloropropene	ND	0.50	ug/L	04/30/09		R/J	SW8260
Dibromochloromethane	ND	0.50	ug/L	04/30/09		R/J	SW8260
Dibromoethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Dibromomethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Dichlorodifluoromethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Ethylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Hexachlorobutadiene	ND	0.40	ug/L	04/30/09		R/J	SW8260
Isopropylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
m&p-Xylene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Methyl ethyl ketone	ND	5.0	ug/L	04/30/09		R/J	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	04/30/09		R/J	SW8260
Methylene chloride	ND	1.0	ug/L	04/30/09		R/J	SW8260
Naphthalene	ND	1.0	ug/L	04/30/09		R/J	SW8260
n-Butylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
n-Propylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
o-Xylene	ND	1.0	ug/L	04/30/09		R/J	SW8260
p-Isopropyltoluene	ND	1.0	ug/L	04/30/09		R/J	SW8260
sec-Butylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Styrene	ND	1.0	ug/L	04/30/09		R/J	SW8260
tert-Butylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Tetrachloroethene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Tetrahydrofuran (THF)	ND	5.0	ug/L	04/30/09		R/J	SW8260
Toluene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Total Xylenes	ND	1.0	ug/L	04/30/09		R/J	SW8260
trans-1,2-Dichloroethene	ND	1.0	ug/L	04/30/09		R/J	SW8260
trans-1,3-Dichloropropene	ND	0.50	ug/L	04/30/09		R/J	SW8260
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	04/30/09		R/J	SW8260
Trichloroethene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Trichlorofluoromethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Trichlorotrifluoroethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Vinyl chloride	ND	1.0	ug/L	04/30/09		R/J	SW8260
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4	101		%	04/30/09		R/J	SW8260
% Bromofluorobenzene	97		%	04/30/09		R/J	SW8260
% Dibromofluoromethane	104		%	04/30/09		R/J	SW8260
% Toluene-d8	96		%	04/30/09		R/J	SW8260

Parameter	Result	RL	Units	Date	Time	By	Reference
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**Comments:**

FIELD BLANK INCLUDED

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level



Phyllis Shiller, Laboratory Director

May 08, 2009



## Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040  
Tel. (860) 645-1102 Fax (860) 645-0823

# Analysis Report

May 08, 2009

FOR: Attn: Mr. Phil Rydel  
Vanassee Hangen Brustlin, Inc.  
54 Tuttle Place  
Middletown, CT 06457-1847

### Sample Information

Matrix: GROUND WATER  
Location Code: VHB  
Rush Request:  
P.O.#: 41426

### Custody Information

Collected by:  
Received by: LB  
Analyzed by: see "By" below

Date  
Time

04/28/09 12:50  
04/29/09 17:00

SDG I.D.: GAR61953

Phoenix I.D.: AR61968

### Laboratory Data

Client ID: ENVIRITE LF/THOMASTON EQUIPMENT BLANK

Parameter	Result	RL	Units	Date	Time	By	Reference
<b>Volatiles</b>							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,1,1-Trichloroethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	04/30/09		R/J	SW8260
1,1,2-Trichloroethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,1-Dichloroethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,1-Dichloroethene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,1-Dichloropropene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2,3-Trichlorobenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2,3-Trichloropropane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2,4-Trichlorobenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2,4-Trimethylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2-Dichlorobenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2-Dichloroethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,2-Dichloropropane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,3,5-Trimethylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,3-Dichlorobenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,3-Dichloropropane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,4-Dichlorobenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
2,2-Dichloropropane	ND	1.0	ug/L	04/30/09		R/J	SW8260
2-Chlorotoluene	ND	1.0	ug/L	04/30/09		R/J	SW8260
2-Hexanone	ND	5.0	ug/L	04/30/09		R/J	SW8260
2-Isopropyltoluene	ND	1.0	ug/L	04/30/09		R/J	SW8260
4-Chlorotoluene	ND	1.0	ug/L	04/30/09		R/J	SW8260
4-Methyl-2-pentanone	ND	5.0	ug/L	04/30/09		R/J	SW8260
Acetone	ND	50	ug/L	04/30/09		R/J	SW8260
Acrylonitrile	ND	5.0	ug/L	04/30/09		R/J	SW8260
Benzene	ND	1.0	ug/L	04/30/09		R/J	SW8260

Parameter	Result	RL	Units	Date	Time	By	Reference
Bromobenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Bromoform	ND	1.0	ug/L	04/30/09		R/J	SW8260
Bromochloromethane	ND	0.50	ug/L	04/30/09		R/J	SW8260
Bromodichloromethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Bromomethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Carbon Disulfide	ND	5.0	ug/L	04/30/09		R/J	SW8260
Carbon tetrachloride	ND	1.0	ug/L	04/30/09		R/J	SW8260
Chlorobenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Chloroethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Chloroform	ND	1.0	ug/L	04/30/09		R/J	SW8260
Chloromethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
cis-1,2-Dichloroethene	ND	1.0	ug/L	04/30/09		R/J	SW8260
cis-1,3-Dichloropropene	ND	0.50	ug/L	04/30/09		R/J	SW8260
Dibromochloromethane	ND	0.50	ug/L	04/30/09		R/J	SW8260
Dibromoethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Dibromomethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Dichlorodifluoromethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Ethylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Hexachlorobutadiene	ND	0.40	ug/L	04/30/09		R/J	SW8260
Isopropylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
m&p-Xylene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Methyl ethyl ketone	ND	5.0	ug/L	04/30/09		R/J	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	04/30/09		R/J	SW8260
Methylene chloride	ND	1.0	ug/L	04/30/09		R/J	SW8260
Naphthalene	ND	1.0	ug/L	04/30/09		R/J	SW8260
n-Butylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
n-Propylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
o-Xylene	ND	1.0	ug/L	04/30/09		R/J	SW8260
p-Isopropyltoluene	ND	1.0	ug/L	04/30/09		R/J	SW8260
sec-Butylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Styrene	ND	1.0	ug/L	04/30/09		R/J	SW8260
tert-Butylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Tetrachloroethene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Tetrahydrofuran (THF)	ND	5.0	ug/L	04/30/09		R/J	SW8260
Toluene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Total Xylenes	ND	1.0	ug/L	04/30/09		R/J	SW8260
trans-1,2-Dichloroethene	ND	1.0	ug/L	04/30/09		R/J	SW8260
trans-1,3-Dichloropropene	ND	0.50	ug/L	04/30/09		R/J	SW8260
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	04/30/09		R/J	SW8260
Trichloroethene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Trichlorofluoromethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Trichlorotrifluoroethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Vinyl chloride	ND	1.0	ug/L	04/30/09		R/J	SW8260
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4	109		%	04/30/09		R/J	SW8260
% Bromofluorobenzene	97		%	04/30/09		R/J	SW8260
% Dibromofluoromethane	108		%	04/30/09		R/J	SW8260
% Toluene-d8	97		%	04/30/09		R/J	SW8260

Parameter	Result	RL	Units	Date	Time	By	Reference
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**Comments:**

EQUIPMENT BLANK INCLUDED

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level



Phyllis Shiller, Laboratory Director

May 08, 2009



## Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040  
Tel. (860) 645-1102 Fax (860) 645-0823

# Analysis Report

May 08, 2009

FOR: Attn: Mr. Phil Rydel  
Vanassee Hangen Brustlin, Inc.  
54 Tuttle Place  
Middletown, CT 06457-1847

### Sample Information

Matrix: GROUND WATER  
Location Code: VHB  
Rush Request:  
P.O.#: 41426

### Custody Information

Collected by:  
Received by: LB  
Analyzed by: see "By" below

Date

Time

04/28/09 15:15

04/29/09 17:00

SDG I.D.: GAR61953

Phoenix I.D.: AR61969

### Laboratory Data

Client ID: ENVIRITE LF/THOMASTON SW-UP

Parameter	Result	RL	Units	Date	Time	By	Reference
Chloride	19	3.0	mg/L	04/30/09		B/E/G	300.0
Conductivity	118	2.0	umhos/cm	04/30/09		JC	SM2510B
Ammonia as Nitrogen	0.05	0.02	mg/L	05/04/09		WM	350.1
Nitrite as Nitrogen	< 0.01	0.01	mg/L	04/30/09	11:22	B/E/G	300.0
Nitrate as Nitrogen	0.16	0.05	mg/L	04/30/09	11:22	B/E/G	300.0/9056
Phenolics	< 0.015	0.015	mg/L	05/04/09		LK	E420.4
pH	7.03	0.10	pH	04/30/09	5:45	JC	4500-H B/9040
Sulfate	8.1	3.0	mg/L	04/30/09	11:22	B/E/G	300.0
Total Cyanide	< 0.01	0.01	mg/L	04/30/09		E/G	335.4/9010
Tot. Diss. Solids	82	10	mg/L	04/30/09		C/K/V	SM2540C
Total Organic Carbon	2.2	1.0	mg/L	04/30/09		EG	SM 5310B
Total Suspended Solids	12	5.0	mg/L	04/30/09		CL/KDB	SM2540D
Tot. Org. Halogens	0.016	0.010	mg/L	05/06/09		OL	SW9020

### Volatiles

1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	04/30/09	R/J	SW8260
1,1,1-Trichloroethane	ND	1.0	ug/L	04/30/09	R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	04/30/09	R/J	SW8260
1,1,2-Trichloroethane	ND	1.0	ug/L	04/30/09	R/J	SW8260
1,1-Dichloroethane	ND	1.0	ug/L	04/30/09	R/J	SW8260
1,1-Dichloroethene	ND	1.0	ug/L	04/30/09	R/J	SW8260
1,1-Dichloropropene	ND	1.0	ug/L	04/30/09	R/J	SW8260
1,2,3-Trichlorobenzene	ND	1.0	ug/L	04/30/09	R/J	SW8260
1,2,3-Trichloropropane	ND	1.0	ug/L	04/30/09	R/J	SW8260
1,2,4-Trichlorobenzene	ND	1.0	ug/L	04/30/09	R/J	SW8260
1,2,4-Trimethylbenzene	ND	1.0	ug/L	04/30/09	R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	04/30/09	R/J	SW8260
1,2-Dichlorobenzene	ND	1.0	ug/L	04/30/09	R/J	SW8260
1,2-Dichloroethane	ND	1.0	ug/L	04/30/09	R/J	SW8260
1,2-Dichloropropane	ND	1.0	ug/L	04/30/09	R/J	SW8260

Parameter	Result	RL	Units	Date	Time	By	Reference
1,3,5-Trimethylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,3-Dichlorobenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,3-Dichloropropane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,4-Dichlorobenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
2,2-Dichloropropane	ND	1.0	ug/L	04/30/09		R/J	SW8260
2-Chlorotoluene	ND	1.0	ug/L	04/30/09		R/J	SW8260
2-Hexanone	ND	5.0	ug/L	04/30/09		R/J	SW8260
2-Isopropyltoluene	ND	1.0	ug/L	04/30/09		R/J	SW8260
4-Chlorotoluene	ND	1.0	ug/L	04/30/09		R/J	SW8260
4-Methyl-2-pentanone	ND	5.0	ug/L	04/30/09		R/J	SW8260
Acetone	ND	50	ug/L	04/30/09		R/J	SW8260
Acrylonitrile	ND	5.0	ug/L	04/30/09		R/J	SW8260
Benzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Bromobenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Bromochloromethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Bromodichloromethane	ND	0.50	ug/L	04/30/09		R/J	SW8260
Bromoform	ND	1.0	ug/L	04/30/09		R/J	SW8260
Bromomethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Carbon Disulfide	ND	5.0	ug/L	04/30/09		R/J	SW8260
Carbon tetrachloride	ND	1.0	ug/L	04/30/09		R/J	SW8260
Chlorobenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Chloroethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Chloroform	ND	1.0	ug/L	04/30/09		R/J	SW8260
Chloromethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
cis-1,2-Dichloroethylene	ND	1.0	ug/L	04/30/09		R/J	SW8260
cis-1,3-Dichloropropene	ND	0.50	ug/L	04/30/09		R/J	SW8260
Dibromochloromethane	ND	0.50	ug/L	04/30/09		R/J	SW8260
Dibromoethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Dibromomethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Dichlorodifluoromethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Ethylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Hexachlorobutadiene	ND	0.40	ug/L	04/30/09		R/J	SW8260
Isopropylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
m&p-Xylene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Methyl ethyl ketone	ND	5.0	ug/L	04/30/09		R/J	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	04/30/09		R/J	SW8260
Methylene chloride	ND	1.0	ug/L	04/30/09		R/J	SW8260
Naphthalene	ND	1.0	ug/L	04/30/09		R/J	SW8260
n-Butylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
n-Propylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
o-Xylene	ND	1.0	ug/L	04/30/09		R/J	SW8260
p-Isopropyltoluene	ND	1.0	ug/L	04/30/09		R/J	SW8260
sec-Butylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Styrene	ND	1.0	ug/L	04/30/09		R/J	SW8260
tert-Butylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Tetrachloroethylene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Tetrahydrofuran (THF)	ND	5.0	ug/L	04/30/09		R/J	SW8260
Toluene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Total Xylenes	ND	1.0	ug/L	04/30/09		R/J	SW8260
trans-1,2-Dichloroethylene	ND	1.0	ug/L	04/30/09		R/J	SW8260
trans-1,3-Dichloropropene	ND	0.50	ug/L	04/30/09		R/J	SW8260
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	04/30/09		R/J	SW8260

Client ID: ENVIRITE LF/THOMASTON SW-UP

Phoenix I.D.: AR61969

Parameter	Result	RL	Units	Date	Time	By	Reference
Trichloroethene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Trichlorofluoromethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Trichlorotrifluoroethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Vinyl chloride	ND	1.0	ug/L	04/30/09		R/J	SW8260
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4	103		%	04/30/09		R/J	SW8260
% Bromofluorobenzene	98		%	04/30/09		R/J	SW8260
% Dibromofluoromethane	101		%	04/30/09		R/J	SW8260
% Toluene-d8	97		%	04/30/09		R/J	SW8260

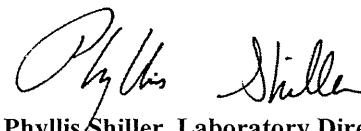
1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters.

**Comments:**

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level



Phyllis Shiller  
Phyllis Shiller, Laboratory Director  
May 08, 2009



**Environmental Laboratories, Inc.**  
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040  
 Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

May 08, 2009

FOR: Attn: Mr. Phil Rydel  
 Vanasse Hangen Brustlin, Inc.  
 54 Tuttle Place  
 Middletown, CT 06457-1847

### Sample Information

Matrix: GROUND WATER  
 Location Code: VHB  
 Rush Request:  
 P.O.#: 41426

### Custody Information

Collected by:  
 Received by: LB  
 Analyzed by: see "By" below

Date

Time

04/28/09

15:30

04/29/09

17:00

SDG I.D.: GAR61953

Phoenix I.D.: AR61970

### Laboratory Data

Client ID: ENVIRITE LF/THOMASTON SW-DN

Parameter	Result	RL	Units	Date	Time	By	Reference
Chloride	19	3.0	mg/L	04/30/09		B/E/G	300.0
Conductivity	118	2.0	umhos/cm	04/30/09		JC	SM2510B
Ammonia as Nitrogen	0.07	0.02	mg/L	05/04/09		WM	350.1
Nitrite as Nitrogen	< 0.01	0.01	mg/L	04/30/09	11:31	B/E/G	300.0
Nitrate as Nitrogen	0.15	0.05	mg/L	04/30/09	11:31	B/E/G	300.0/9056
Phenolics	< 0.015	0.015	mg/L	05/04/09		LK	E420.4
pH	7.08	0.10	pH	04/30/09	5:48	JC	4500-H B/9040
Sulfate	8.1	3.0	mg/L	04/30/09	11:31	B/E/G	300.0
Total Cyanide	< 0.01	0.01	mg/L	04/30/09		E/G	335.4/9010
Tot. Diss. Solids	81	10	mg/L	04/30/09		C/K/V	SM2540C
Total Organic Carbon	2.5	1.0	mg/L	04/30/09		EG	SM 5310B
Total Suspended Solids	< 5.0	5.0	mg/L	04/30/09		CL/KDB	SM2540D
Tot. Org. Halogens	BDL	0.010	mg/L	05/06/09		OL	SW9020

1

### Volatiles

1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	04/30/09	R/J	SW8260
1,1,1-Trichloroethane	ND	1.0	ug/L	04/30/09	R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	04/30/09	R/J	SW8260
1,1,2-Trichloroethane	ND	1.0	ug/L	04/30/09	R/J	SW8260
1,1-Dichloroethane	ND	1.0	ug/L	04/30/09	R/J	SW8260
1,1-Dichloroethene	ND	1.0	ug/L	04/30/09	R/J	SW8260
1,1-Dichloropropene	ND	1.0	ug/L	04/30/09	R/J	SW8260
1,2,3-Trichlorobenzene	ND	1.0	ug/L	04/30/09	R/J	SW8260
1,2,3-Trichloropropane	ND	1.0	ug/L	04/30/09	R/J	SW8260
1,2,4-Trichlorobenzene	ND	1.0	ug/L	04/30/09	R/J	SW8260
1,2,4-Trimethylbenzene	ND	1.0	ug/L	04/30/09	R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	04/30/09	R/J	SW8260
1,2-Dichlorobenzene	ND	1.0	ug/L	04/30/09	R/J	SW8260
1,2-Dichloroethane	ND	1.0	ug/L	04/30/09	R/J	SW8260
1,2-Dichloropropane	ND	1.0	ug/L	04/30/09	R/J	SW8260

Parameter	Result	RL	Units	Date	Time	By	Reference
1,3,5-Trimethylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,3-Dichlorobenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,3-Dichloropropane	ND	1.0	ug/L	04/30/09		R/J	SW8260
1,4-Dichlorobenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
2,2-Dichloropropane	ND	1.0	ug/L	04/30/09		R/J	SW8260
2-Chlorotoluene	ND	1.0	ug/L	04/30/09		R/J	SW8260
2-Hexanone	ND	5.0	ug/L	04/30/09		R/J	SW8260
2-Isopropyltoluene	ND	1.0	ug/L	04/30/09		R/J	SW8260
4-Chlorotoluene	ND	1.0	ug/L	04/30/09		R/J	SW8260
4-Methyl-2-pentanone	ND	5.0	ug/L	04/30/09		R/J	SW8260
Acetone	ND	50	ug/L	04/30/09		R/J	SW8260
Acrylonitrile	ND	5.0	ug/L	04/30/09		R/J	SW8260
Benzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Bromobenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Bromochloromethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Bromodichloromethane	ND	0.50	ug/L	04/30/09		R/J	SW8260
Bromoform	ND	1.0	ug/L	04/30/09		R/J	SW8260
Bromomethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Carbon Disulfide	ND	5.0	ug/L	04/30/09		R/J	SW8260
Carbon tetrachloride	ND	1.0	ug/L	04/30/09		R/J	SW8260
Chlorobenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Chloroethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Chloroform	ND	1.0	ug/L	04/30/09		R/J	SW8260
Chloromethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
cis-1,2-Dichloroethylene	ND	1.0	ug/L	04/30/09		R/J	SW8260
cis-1,3-Dichloropropene	ND	0.50	ug/L	04/30/09		R/J	SW8260
Dibromochloromethane	ND	0.50	ug/L	04/30/09		R/J	SW8260
Dibromoethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Dibromomethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Dichlorodifluoromethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Ethylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Hexachlorobutadiene	ND	0.40	ug/L	04/30/09		R/J	SW8260
Isopropylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
m&p-Xylene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Methyl ethyl ketone	ND	5.0	ug/L	04/30/09		R/J	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	04/30/09		R/J	SW8260
Methylene chloride	ND	1.0	ug/L	04/30/09		R/J	SW8260
Naphthalene	ND	1.0	ug/L	04/30/09		R/J	SW8260
n-Butylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
n-Propylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
o-Xylene	ND	1.0	ug/L	04/30/09		R/J	SW8260
p-Isopropyltoluene	ND	1.0	ug/L	04/30/09		R/J	SW8260
sec-Butylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Styrene	ND	1.0	ug/L	04/30/09		R/J	SW8260
tert-Butylbenzene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Tetrachloroethylene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Tetrahydrofuran (THF)	ND	5.0	ug/L	04/30/09		R/J	SW8260
Toluene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Total Xylenes	ND	1.0	ug/L	04/30/09		R/J	SW8260
trans-1,2-Dichloroethylene	ND	1.0	ug/L	04/30/09		R/J	SW8260
trans-1,3-Dichloropropene	ND	0.50	ug/L	04/30/09		R/J	SW8260
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	04/30/09		R/J	SW8260

Client ID: ENVIRITE LF/THOMASTON SW-DN

Phoenix I.D.: AR61970

Parameter	Result	RL	Units	Date	Time	By	Reference
Trichloroethene	ND	1.0	ug/L	04/30/09		R/J	SW8260
Trichlorofluoromethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Trichlorotrifluoroethane	ND	1.0	ug/L	04/30/09		R/J	SW8260
Vinyl chloride	ND	1.0	ug/L	04/30/09		R/J	SW8260
<b><u>QA/QC Surrogates</u></b>							
% 1,2-dichlorobenzene-d4	108		%	04/30/09		R/J	SW8260
% Bromofluorobenzene	98		%	04/30/09		R/J	SW8260
% Dibromofluoromethane	113		%	04/30/09		R/J	SW8260
% Toluene-d8	100		%	04/30/09		R/J	SW8260

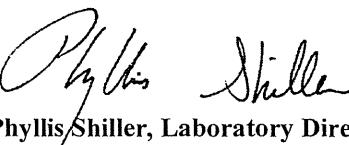
1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters.

**Comments:**

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level



Phyllis Shiller, Laboratory Director  
May 08, 2009



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## QA/QC Report

May 11, 2009

Parameter	QA/QC Data					SDG I.D.: GAR61953		
	Blank	Dup RPD	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
QA/QC Batch 125882, QC Sample No: AR61597 (AR61953, AR61954, AR61955, AR61956, AR61957, AR61958, AR61959, AR61960, AR61961, AR61962, AR61963, AR61964, AR61965, AR61966)								
<b>ICP Metals - Dissolved</b>								
Barium	BDL	0.10	88.0	86.4	1.8	92.2	90.1	2.3
Cadmium	BDL	NC	86.4	84.4	2.3	91.2	88.6	2.9
Chromium	BDL	NC	87.6	85.6	2.3	93.3	90.5	3.0
Copper	BDL	NC	87.7	86.0	2.0	94.6	92.0	2.8
Iron	BDL	64.0	84.7	82.5	2.6	86.9	83.7	3.8
Manganese	BDL	NC	88.6	86.8	2.1	93.8	91.1	2.9
Nickel	BDL	NC	86.9	84.7	2.6	92.0	89.6	2.6
Sodium	BDL	0.40	93.6	87.9	6.3	97.5	101	3.5
Zinc	BDL	NC	86.8	84.9	2.2	93.3	91.1	2.4

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Phyllis Shiller, Laboratory Director  
May 11, 2009



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## QA/QC Report

May 11, 2009

Parameter	QA/QC Data					SDG I.D.: GAR61953		
	Blank	Dup RPD	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
QA/QC Batch 126005, QC Sample No: AR57352 (AR61953, AR61954, AR61955, AR61956, AR61957, AR61958, AR61959, AR61960, AR61961, AR61962, AR61963, AR61964)								
Total Cyanide	BDL		103			109		
QA/QC Batch 126092, QC Sample No: AR61554 (AR61953, AR61954, AR61955)								
Total Organic Carbon	BDL	3.70	96.1			112		
QA/QC Batch 125982, QC Sample No: AR61678 (AR61953, AR61954, AR61955, AR61956, AR61957, AR61958, AR61959, AR61960, AR61961, AR61962)								
Ammonia as Nitrogen	BDL	0.59	93.2			99.3		
QA/QC Batch 126008, QC Sample No: AR61853 (AR61953, AR61954, AR61955, AR61956, AR61957, AR61958, AR61959, AR61960, AR61961, AR61962, AR61963, AR61964, AR61965, AR61966, AR61969, AR61970)								
Tot. Diss. Solids	BDL	1.98	97.4					
QA/QC Batch 126109, QC Sample No: AR61904 (AR61953, AR61954, AR61955, AR61956, AR61957, AR61958, AR61959)								
Chloride	BDL	NC	96.8			98.2		
QA/QC Batch 126111, QC Sample No: AR61904 (AR61953, AR61954, AR61955, AR61956, AR61957, AR61958, AR61959)								
Nitrate as Nitrogen	BDL	NC	99.2			97.8		
QA/QC Batch 126110, QC Sample No: AR61904 (AR61953, AR61954, AR61955, AR61956, AR61957, AR61958, AR61959)								
Nitrite as Nitrogen	BDL	NC	90.1			98.3		
QA/QC Batch 126112, QC Sample No: AR61904 (AR61953, AR61954, AR61955, AR61956, AR61957, AR61958, AR61959)								
Sulfate	BDL	NC	95.8			97.8		
QA/QC Batch 126316, QC Sample No: AR61953 (AR61953, AR61955, AR61956, AR61957, AR61958, AR61959, AR61960, AR61961, AR61962, AR61963, AR61964, AR61965, AR61966, AR61969, AR61970)								
Phenolics	BDL	NC	97.0			97.0		
QA/QC Batch 126009, QC Sample No: AR61953 (AR61953, AR61954, AR61955, AR61956, AR61957, AR61958, AR61959, AR61960, AR61961, AR61962, AR61963, AR61964, AR61965, AR61966, AR61969, AR61970)								
Total Suspended Solids	BDL	NC	108					
QA/QC Batch 126038, QC Sample No: AR61964 (AR61953, AR61954, AR61955, AR61956, AR61957, AR61958, AR61959, AR61960, AR61961, AR61962, AR61963, AR61964)								
Conductivity	BDL	1.00	96.4					
QA/QC Batch 126094, QC Sample No: AR61964 (AR61956, AR61957, AR61958, AR61959, AR61960, AR61961, AR61962, AR61963, AR61964, AR61965, AR61966, AR61969, AR61970)								
Total Organic Carbon	BDL	NC	104			105		
QA/QC Batch 126322, QC Sample No: AR62071 (AR61966)								
Total Cyanide	BDL	NC	95.6			97.0		
QA/QC Batch 126113, QC Sample No: AR62110 (AR61960, AR61961, AR61962, AR61963, AR61964, AR61965, AR61966, AR61969, AR61970)								
Chloride	BDL		98.5					
QA/QC Batch 126114, QC Sample No: AR62110 (AR61960, AR61961, AR61962, AR61963, AR61964, AR61965, AR61966, AR61969, AR61970)								
Nitrite as Nitrogen	BDL		91.1					

**QA/QC Data**

SDG I.D.: GAR61953

Parameter	Blank	Dup RPD	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
QA/QC Batch 126116, QC Sample No: AR62110 (AR61960, AR61961, AR61962, AR61963, AR61964, AR61965, AR61966, AR61969, AR61970)								
Sulfate	BDL	0	95.0			100		
QA/QC Batch 126039, QC Sample No: AR62112 (AR61965, AR61966, AR61969, AR61970)								
Conductivity	BDL	0	0.20					
QA/QC Batch 126098, QC Sample No: AR62141 (AR61963, AR61964, AR61965, AR61966, AR61969, AR61970)								
Ammonia as Nitrogen	BDL	8.80	104			112		
QA/QC Batch 126126, QC Sample No: AR62141 (AR61954, AR61956, AR61958, AR61959, AR61960, AR61961, AR61962, AR61963, AR61964, AR61965)								
Chloride	BDL	NC	94.6			98.1		
QA/QC Batch 126129, QC Sample No: AR62141 (AR61954, AR61956, AR61958, AR61959, AR61960, AR61961, AR61962, AR61963, AR61964, AR61965)								
Sulfate	BDL	0	95.4			105		
QA/QC Batch 126070, QC Sample No: AR62379 (AR61963, AR61964, AR61965, AR61969, AR61970)								
Total Cyanide	BDL		96.1			98.3		

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Phyllis Shiller, Laboratory Director  
May 11, 2009



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## QA/QC Report

May 11, 2009

### QA/QC Data

SDG I.D.: GAR61953

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
QA/QC Batch 126050, QC Sample No: AR61652 (AR61953, AR61956)							
<b>Volatiles</b>							
1,1,1,2-Tetrachloroethane	ND	82	79	3.7	86	86	0.0
1,1,1-Trichloroethane	ND	82	76	7.6	94	89	5.5
1,1,2,2-Tetrachloroethane	ND	104	101	2.9	103	102	1.0
1,1,2-Trichloroethane	ND	101	106	4.8	110	106	3.7
1,1-Dichloroethane	ND	89	84	5.8	101	98	3.0
1,1-Dichloroethene	ND	82	76	7.6	94	92	2.2
1,1-Dichloropropene	ND	76	77	1.3	96	90	6.5
1,2,3-Trichlorobenzene	ND	104	102	1.9	89	98	9.6
1,2,3-Trichloropropane	ND	112	113	0.9	105	102	2.9
1,2,4-Trichlorobenzene	ND	98	97	1.0	92	97	5.3
1,2,4-Trimethylbenzene	ND	81	77	5.1	91	88	3.4
1,2-Dibromo-3-chloropropane	ND	85	86	1.2	74	77	4.0
1,2-Dichlorobenzene	ND	96	94	2.1	102	100	2.0
1,2-Dichloroethane	ND	101	101	0.0	105	101	3.9
1,2-Dichloropropane	ND	93	91	2.2	103	99	4.0
1,3,5-Trimethylbenzene	ND	76	72	5.4	88	85	3.5
1,3-Dichlorobenzene	ND	88	84	4.7	95	93	2.1
1,3-Dichloropropane	ND	102	101	1.0	104	103	1.0
1,4-Dichlorobenzene	ND	87	83	4.7	94	92	2.2
2,2-Dichloropropane	ND	74	<70	NC	68	64	6.1
2-Chlorotoluene	ND	78	75	3.9	91	86	5.6
2-Hexanone	ND	98	96	2.1	94	87	7.7
2-Isopropyltoluene	ND	80	76	5.1	92	87	5.6
4-Chlorotoluene	ND	87	84	3.5	98	93	5.2
4-Methyl-2-pentanone	ND	114	119	4.3	113	108	4.5
Acetone	ND	111	106	4.6	106	105	0.9
Acrylonitrile	ND	112	112	0.0	99	101	2.0
Benzene	ND	82	78	5.0	95	90	5.4
Bromobenzene	ND	93	92	1.1	100	98	2.0
Bromochloromethane	ND	100	96	4.1	102	102	0.0
Bromodichloromethane	ND	91	90	1.1	93	91	2.2
Bromoform	ND	82	86	4.8	78	84	7.4
Bromomethane	ND	80	76	5.1	86	89	3.4
Carbon Disulfide	ND	82	76	7.6	96	96	0.0
Carbon tetrachloride	ND	74	70	5.6	82	78	5.0
Chlorobenzene	ND	85	82	3.6	97	92	5.3
Chloroethane	ND	89	72	21.1	91	97	6.4
Chloroform	ND	88	83	5.8	100	96	4.1

QA/QC Data

SDG I.D.: GAR61953

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
Chloromethane	ND	102	97	5.0	103	105	1.9
cis-1,2-Dichloroethene	ND	89	83	7.0	98	95	3.1
cis-1,3-Dichloropropene	ND	89	89	0.0	91	91	0.0
Dibromochloromethane	ND	84	85	1.2	83	87	4.7
Dibromoethane	ND	108	108	0.0	107	107	0.0
Dibromomethane	ND	107	108	0.9	111	108	2.7
Dichlorodifluoromethane	ND	122	106	14.0	85	82	3.6
Ethylbenzene	ND	80	77	3.8	95	90	5.4
Hexachlorobutadiene	ND	73	<70	NC	80	79	1.3
Isopropylbenzene	ND	74	71	4.1	92	88	4.4
m&p-Xylene	ND	80	76	5.1	94	89	5.5
Methyl ethyl ketone	ND	111	123	10.3	115	117	1.7
Methyl t-butyl ether (MTBE)	ND	102	100	2.0	96	98	2.1
Methylene chloride	ND	101	100	1.0	98	101	3.0
Naphthalene	ND	102	105	2.9	84	96	13.3
n-Butylbenzene	ND	82	77	6.3	92	88	4.4
n-Propylbenzene	ND	79	74	6.5	92	87	5.6
o-Xylene	ND	82	80	2.5	96	92	4.3
p-Isopropyltoluene	ND	80	75	6.5	90	86	4.5
sec-Butylbenzene	ND	79	75	5.2	93	88	5.5
Styrene	ND	88	84	4.7	100	96	4.1
tert-Butylbenzene	ND	75	71	5.5	88	83	5.8
Tetrachloroethene	ND	79	73	7.9	92	87	5.6
Tetrahydrofuran (THF)	ND	105	108	2.8	98	102	4.0
Toluene	ND	83	79	4.9	96	91	5.3
trans-1,2-Dichloroethene	ND	86	80	7.2	96	96	0.0
trans-1,3-Dichloropropene	ND	97	95	2.1	91	91	0.0
trans-1,4-dichloro-2-butene	ND	95	97	2.1	79	79	0.0
Trichloroethene	ND	81	78	3.8	96	91	5.3
Trichlorofluoromethane	ND	92	86	6.7	96	92	4.3
Trichlorotrifluoroethane	ND	91	82	10.4	94	91	3.2
Vinyl chloride	ND	96	88	8.7	100	97	3.0
% 1,2-dichlorobenzene-d4	109	108	108	0.0	107	107	0.0
% Bromofluorobenzene	96	103	102	1.0	102	104	1.9
% Dibromofluoromethane	106	108	107	0.9	104	104	0.0
% Toluene-d8	100	100	99	1.0	100	99	1.0

**Comment:**

A blank MS/MSD was analyzed with this batch.

QA/QC Batch 126057, QC Sample No: AR61749 (AR61955, AR61957)

Volatiles

1,1,1,2-Tetrachloroethane	ND	85	88	3.5	94	94	0.0
1,1,1-Trichloroethane	ND	88	88	0.0	106	101	4.8
1,1,2,2-Tetrachloroethane	ND	94	99	5.2	100	101	1.0
1,1,2-Trichloroethane	ND	103	108	4.7	108	106	1.9
1,1-Dichloroethane	ND	95	94	1.1	113	108	4.5
1,1-Dichloroethene	ND	89	88	1.1	111	104	6.5
1,1-Dichloropropene	ND	82	82	0.0	101	97	4.0
1,2,3-Trichlorobenzene	ND	101	103	2.0	77	103	28.9

**QA/QC Data**

SDG I.D.: GAR61953

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
1,2,3-Trichloropropane	ND	105	112	6.5	102	104	1.9
1,2,4-Trichlorobenzene	ND	95	95	0.0	87	98	11.9
1,2,4-Trimethylbenzene	ND	88	88	0.0	102	100	2.0
1,2-Dibromo-3-chloropropane	ND	93	96	3.2	87	92	5.6
1,2-Dichlorobenzene	ND	96	97	1.0	103	103	0.0
1,2-Dichloroethane	ND	104	101	2.9	105	104	1.0
1,2-Dichloropropane	ND	98	98	0.0	109	108	0.9
1,3,5-Trimethylbenzene	ND	85	84	1.2	101	99	2.0
1,3-Dichlorobenzene	ND	96	97	1.0	107	106	0.9
1,3-Dichloropropane	ND	98	102	4.0	105	103	1.9
1,4-Dichlorobenzene	ND	93	94	1.1	107	103	3.8
2,2-Dichloropropane	ND	78	75	3.9	78	72	8.0
2-Chlorotoluene	ND	86	88	2.3	104	103	1.0
2-Hexanone	ND	97	89	8.6	82	89	8.2
2-Isopropyltoluene	ND	88	88	0.0	103	101	2.0
4-Chlorotoluene	ND	89	89	0.0	105	101	3.9
4-Methyl-2-pentanone	ND	106	110	3.7	109	106	2.8
Acetone	ND	100	105	4.9	104	99	4.9
Acrylonitrile	ND	109	104	4.7	104	97	7.0
Benzene	ND	92	92	0.0	108	105	2.8
Bromobenzene	ND	92	96	4.3	107	107	0.0
Bromochloromethane	ND	99	99	0.0	107	104	2.8
Bromodichloromethane	ND	95	96	1.0	98	98	0.0
Bromoform	ND	81	83	2.4	80	87	8.4
Bromomethane	ND	87	90	3.4	113	106	6.4
Carbon Disulfide	ND	86	85	1.2	110	103	6.6
Carbon tetrachloride	ND	82	82	0.0	96	93	3.2
Chlorobenzene	ND	91	90	1.1	105	103	1.9
Chloroethane	ND	98	96	2.1	118	111	6.1
Chloroform	ND	96	93	3.2	111	107	3.7
Chloromethane	ND	120	126	4.9	131	124	5.5
cis-1,2-Dichloroethene	ND	93	91	2.2	107	103	3.8
cis-1,3-Dichloropropene	ND	89	87	2.3	92	92	0.0
Dibromochloromethane	ND	87	89	2.3	89	93	4.4
Dibromoethane	ND	105	110	4.7	103	107	3.8
Dibromomethane	ND	105	105	0.0	106	107	0.9
Dichlorodifluoromethane	ND	>130	>130	NC	108	97	10.7
Ethylbenzene	ND	88	89	1.1	107	103	3.8
Hexachlorobutadiene	ND	84	84	0.0	97	96	1.0
Isopropylbenzene	ND	82	84	2.4	105	103	1.9
m&p-Xylene	ND	90	88	2.2	108	102	5.7
Methyl ethyl ketone	ND	98	102	4.0	100	97	3.0
Methyl t-butyl ether (MTBE)	ND	102	102	0.0	100	99	1.0
Methylene chloride	ND	103	102	1.0	114	108	5.4
Naphthalene	ND	88	90	2.2	70	92	27.2
n-Butylbenzene	ND	87	88	1.1	105	100	4.9
n-Propylbenzene	ND	87	88	1.1	105	102	2.9
o-Xylene	ND	93	92	1.1	108	104	3.8
p-Isopropyltoluene	ND	87	88	1.1	104	100	3.9

QA/QC Data

SDG I.D.: GAR61953

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
sec-Butylbenzene	ND	85	85	0.0	103	101	2.0
Styrene	ND	96	95	1.0	110	105	4.7
tert-Butylbenzene	ND	82	83	1.2	100	98	2.0
Tetrachloroethene	ND	87	85	2.3	108	103	4.7
Tetrahydrofuran (THF)	ND	103	105	1.9	96	92	4.3
Toluene	ND	90	89	1.1	105	100	4.9
trans-1,2-Dichloroethene	ND	96	92	4.3	113	105	7.3
trans-1,3-Dichloropropene	ND	97	99	2.0	94	96	2.1
trans-1,4-dichloro-2-butene	ND	83	91	9.2	76	81	6.4
Trichloroethene	ND	89	88	1.1	107	100	6.8
Trichlorofluoromethane	ND	99	96	3.1	114	104	9.2
Trichlorotrifluoroethane	ND	96	92	4.3	111	102	8.5
Vinyl chloride	ND	112	108	3.6	124	115	7.5
% 1,2-dichlorobenzene-d4	103	101	101	0.0	97	99	2.0
% Bromofluorobenzene	97	103	102	1.0	104	104	0.0
% Dibromofluoromethane	106	105	100	4.9	105	100	4.9
% Toluene-d8	95	99	97	2.0	97	97	0.0

**Comment:**

A blank MS/MSD was analyzed with this batch.

QA/QC Batch 126460, QC Sample No: AR61942 (ar61954, ar61958, ar61959, ar61960, ar61961, ar61962, ar61963, ar61964, ar61965, ar61966, ar61967, ar61968, ar61969, ar61970)

**Volatiles**

1,1,1,2-Tetrachloroethane	ND	85	90	5.7	83	86	3.6
1,1,1-Trichloroethane	ND	88	97	9.7	92	93	1.1
1,1,2,2-Tetrachloroethane	ND	100	99	1.0	105	106	0.9
1,1,2-Trichloroethane	ND	108	104	3.8	109	106	2.8
1,1-Dichloroethane	ND	95	103	8.1	99	98	1.0
1,1-Dichloroethene	ND	92	102	10.3	101	102	1.0
1,1-Dichloropropene	ND	92	98	6.3	100	101	1.0
1,2,3-Trichlorobenzene	ND	104	109	4.7	92	103	11.3
1,2,3-Trichloropropane	ND	112	112	0.0	109	107	1.9
1,2,4-Trichlorobenzene	ND	101	103	2.0	95	102	7.1
1,2,4-Trimethylbenzene	ND	85	92	7.9	90	92	2.2
1,2-Dibromo-3-chloropropane	ND	84	88	4.7	76	82	7.6
1,2-Dichlorobenzene	ND	99	101	2.0	102	101	1.0
1,2-Dichloroethane	ND	105	105	0.0	106	102	3.8
1,2-Dichloropropane	ND	97	102	5.0	102	101	1.0
1,3,5-Trimethylbenzene	ND	82	88	7.1	88	89	1.1
1,3-Dichlorobenzene	ND	92	96	4.3	95	94	1.1
1,3-Dichloropropane	ND	103	104	1.0	105	103	1.9
1,4-Dichlorobenzene	ND	90	94	4.3	94	94	0.0
2,2-Dichloropropane	ND	<70	<70	NC	47	47	0.0
2-Chlorotoluene	ND	83	89	7.0	90	90	0.0
2-Hexanone	ND	102	94	8.2	101	100	1.0
2-Isopropyltoluene	ND	85	91	6.8	91	93	2.2
4-Chlorotoluene	ND	94	97	3.1	94	96	2.1
4-Methyl-2-pentanone	ND	110	108	1.8	139	115	18.9
Acetone	ND	114	111	2.7	116	114	1.7
Acrylonitrile	ND	104	108	3.8	104	101	2.9

**QA/QC Data**

SDG I.D.: GAR61953

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
Benzene	ND	88	93	5.5	95	94	1.1
Bromobenzene	ND	96	99	3.1	103	102	1.0
Bromochloromethane	ND	102	103	1.0	104	100	3.9
Bromodichloromethane	ND	94	97	3.1	90	92	2.2
Bromoform	ND	83	85	2.4	77	81	5.1
Bromomethane	ND	91	96	5.3	93	99	6.3
Carbon Disulfide	ND	90	100	10.5	103	104	1.0
Carbon tetrachloride	ND	82	90	9.3	81	86	6.0
Chlorobenzene	ND	91	96	5.3	96	95	1.0
Chloroethane	ND	98	102	4.0	83	102	20.5
Chloroform	ND	93	99	6.3	98	96	2.1
Chloromethane	ND	109	128	16.0	121	<30	NC 3
cis-1,2-Dichloroethene	ND	92	98	6.3	99	96	3.1
cis-1,3-Dichloropropene	ND	84	90	6.9	87	88	1.1
Dibromochloromethane	ND	87	89	2.3	82	88	7.1
Dibromoethane	ND	108	108	0.0	110	113	2.7
Dibromomethane	ND	109	112	2.7	112	109	2.7
Dichlorodifluoromethane	ND	118	>130	NC	58	54	7.1 3
Ethylbenzene	ND	88	93	5.5	94	93	1.1
Hexachlorobutadiene	ND	78	85	8.6	78	84	7.4
Isopropylbenzene	ND	80	88	9.5	93	94	1.1
m&p-Xylene	ND	87	92	5.6	94	92	2.2
Methyl ethyl ketone	ND	114	111	2.7	126	115	9.1
Methyl t-butyl ether (MTBE)	ND	101	100	1.0	102	98	4.0
Methylene chloride	ND	99	103	4.0	104	100	3.9
Naphthalene	ND	107	111	3.7	99	107	7.8
n-Butylbenzene	ND	87	96	9.8	91	93	2.2
n-Propylbenzene	ND	86	93	7.8	91	92	1.1
o-Xylene	ND	90	94	4.3	94	94	0.0
p-Isopropyltoluene	ND	85	92	7.9	89	91	2.2
sec-Butylbenzene	ND	86	93	7.8	93	95	2.1
Styrene	ND	94	98	4.2	98	98	0.0
tert-Butylbenzene	ND	81	89	9.4	89	90	1.1
Tetrachloroethene	ND	85	92	7.9	91	92	1.1
Tetrahydrofuran (THF)	ND	106	105	0.9	99	96	3.1
Toluene	ND	89	97	8.6	97	96	1.0
trans-1,2-Dichloroethene	ND	96	103	7.0	100	96	4.1
trans-1,3-Dichloropropene	ND	91	94	3.2	85	86	1.2
trans-1,4-dichloro-2-butene	ND	80	80	0.0	68	72	5.7
Trichloroethene	ND	89	96	7.6	97	97	0.0
Trichlorofluoromethane	ND	103	116	11.9	108	107	0.9
Trichlorotrifluoroethane	ND	95	109	13.7	103	103	0.0
Vinyl chloride	ND	110	109	0.9	88	116	27.5
% 1,2-dichlorobenzene-d4	107	107	107	0.0	106	107	0.9
% Bromofluorobenzene	98	104	103	1.0	101	100	1.0
% Dibromofluoromethane	104	105	110	4.7	104	104	0.0
% Toluene-d8	99	98	99	1.0	98	99	1.0

**Comment:**

A blank MS/MSD was analyzed with this batch.

QA/QC Data

SDG I.D.: GAR61953

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
QA/QC Batch 126102, QC Sample No: AR62141 (ar61959)							
<b>Volatiles</b>							
1,1,1,2-Tetrachloroethane	ND	106	102	3.8	106	113	6.4
1,1,1-Trichloroethane	ND	122	116	5.0	121	129	6.4
1,1,2,2-Tetrachloroethane	ND	73	<70	NC	75	75	0.0
1,1,2-Trichloroethane	ND	90	88	2.2	90	96	6.5
1,1-Dichloroethane	ND	101	97	4.0	100	101	1.0
1,1-Dichloroethene	ND	99	99	0.0	114	108	5.4
1,1-Dichloropropene	ND	114	115	0.9	125	132	5.4
1,2,3-Trichlorobenzene	ND	96	88	8.7	102	103	1.0
1,2,3-Trichloropropane	ND	97	91	6.4	90	92	2.2
1,2,4-Trichlorobenzene	ND	98	94	4.2	111	113	1.8
1,2,4-Trimethylbenzene	ND	103	99	4.0	107	108	0.9
1,2-Dibromo-3-chloropropane	ND	74	86	15.0	86	93	7.8
1,2-Dichlorobenzene	ND	91	86	5.6	96	96	0.0
1,2-Dichloroethane	ND	118	113	4.3	114	122	6.8
1,2-Dichloropropane	ND	82	82	0.0	85	88	3.5
1,3,5-Trimethylbenzene	ND	102	98	4.0	104	105	1.0
1,3-Dichlorobenzene	ND	97	92	5.3	101	101	0.0
1,3-Dichloropropane	ND	92	87	5.6	92	96	4.3
1,4-Dichlorobenzene	ND	98	94	4.2	102	105	2.9
2,2-Dichloropropane	ND	100	98	2.0	113	115	1.8
2-Chlorotoluene	ND	92	89	3.3	98	97	1.0
2-Hexanone	ND	75	70	6.9	74	79	6.5
2-Isopropyltoluene	ND	101	98	3.0	106	108	1.9
4-Chlorotoluene	ND	93	92	1.1	100	98	2.0
4-Methyl-2-pentanone	ND	86	86	0.0	96	95	1.0
Acetone	ND	89	93	4.4	76	88	14.6
Acrylonitrile	ND	83	83	0.0	71	70	1.4
Benzene	ND	92	93	1.1	100	105	4.9
Bromobenzene	ND	95	91	4.3	98	99	1.0
Bromochloromethane	ND	99	96	3.1	98	105	6.9
Bromodichloromethane	ND	110	107	2.8	107	114	6.3
Bromoform	ND	111	104	6.5	111	118	6.1
Bromomethane	ND	107	98	8.8	101	95	6.1
Carbon Disulfide	ND	92	90	2.2	109	105	3.7
Carbon tetrachloride	ND	>130	129	NC	138	148	7.0
Chlorobenzene	ND	94	94	0.0	96	100	4.1
Chloroethane	ND	103	109	5.7	104	84	21.3
Chloroform	ND	104	101	2.9	103	107	3.8
Chloromethane	ND	84	80	4.9	87	89	2.3
cis-1,2-Dichloroethene	ND	99	97	2.0	104	109	4.7
cis-1,3-Dichloropropene	ND	98	96	2.1	103	111	7.5
Dibromochloromethane	ND	104	98	5.9	104	107	2.8
Dibromoethane	ND	97	96	1.0	100	107	6.8
Dibromomethane	ND	94	91	3.2	96	101	5.1
Dichlorodifluoromethane	ND	81	>130	NC	118	107	9.8
Ethylbenzene	ND	102	100	2.0	104	110	5.6

QA/QC Data

SDG I.D.: GAR61953

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
Hexachlorobutadiene	ND	105	102	2.9	117	127	8.2
Isopropylbenzene	ND	90	87	3.4	100	100	0.0
m&p-Xylene	ND	106	103	2.9	110	114	3.6
Methyl ethyl ketone	ND	84	71	16.8	58	88	41.1
Methyl t-butyl ether (MTBE)	ND	103	99	4.0	104	109	4.7
Methylene chloride	ND	99	96	3.1	95	94	1.1
Naphthalene	ND	88	82	7.1	98	96	2.1
n-Butylbenzene	ND	106	102	3.8	115	114	0.9
n-Propylbenzene	ND	95	94	1.1	100	101	1.0
o-Xylene	ND	103	100	3.0	106	110	3.7
p-Isopropyltoluene	ND	106	103	2.9	109	110	0.9
sec-Butylbenzene	ND	100	96	4.1	110	111	0.9
Styrene	ND	104	103	1.0	108	113	4.5
tert-Butylbenzene	ND	104	101	2.9	109	110	0.9
Tetrachloroethene	ND	105	103	1.9	115	116	0.9
Tetrahydrofuran (THF)	ND	70	76	8.2	80	86	7.2
Toluene	ND	95	95	0.0	103	107	3.8
trans-1,2-Dichloroethene	ND	100	100	0.0	108	104	3.8
trans-1,3-Dichloropropene	ND	104	105	1.0	110	112	1.8
trans-1,4-dichloro-2-butene	ND	88	81	8.3	84	88	4.7
Trichloroethene	ND	97	99	2.0	107	109	1.9
Trichlorofluoromethane	ND	126	120	4.9	129	127	1.6
Trichlorotrifluoroethane	ND	114	113	0.9	127	126	0.8
Vinyl chloride	ND	91	91	0.0	100	92	8.3
% 1,2-dichlorobenzene-d4	99	94	94	0.0	98	97	1.0
% Bromofluorobenzene	93	105	109	3.7	110	108	1.8
% Dibromofluoromethane	112	118	126	6.6	117	112	4.4
% Toluene-d8	98	99	99	0.0	98	99	1.0

QA/QC Batch 126104, QC Sample No: AR62142 (ar61958)

Volatiles

1,1,1,2-Tetrachloroethane	ND	113	110	2.7	102	101	1.0
1,1,1-Trichloroethane	ND	107	100	6.8	91	86	5.6
1,1,2,2-Tetrachloroethane	ND	76	76	0.0	82	74	10.3
1,1,2-Trichloroethane	ND	81	78	3.8	73	78	6.6
1,1-Dichloroethane	ND	92	89	3.3	85	79	7.3
1,1-Dichloroethene	ND	90	92	2.2	95	84	12.3
1,1-Dichloropropene	ND	101	101	0.0	99	91	8.4
1,2,3-Trichlorobenzene	ND	94	100	6.2	93	96	3.2
1,2,3-Trichloropropane	ND	99	108	8.7	96	88	8.7
1,2,4-Trichlorobenzene	ND	100	106	5.8	104	99	4.9
1,2,4-Trimethylbenzene	ND	107	108	0.9	106	92	14.1
1,2-Dibromo-3-chloropropane	ND	93	98	5.2	91	83	9.2
1,2-Dichlorobenzene	ND	97	99	2.0	98	88	10.8
1,2-Dichloroethane	ND	112	104	7.4	99	101	2.0
1,2-Dichloropropane	ND	88	74	17.3	86	82	4.8
1,3,5-Trimethylbenzene	ND	105	106	0.9	105	91	14.3
1,3-Dichlorobenzene	ND	101	100	1.0	101	90	11.5
1,3-Dichloropropane	ND	95	90	5.4	101	95	6.1

QA/QC Data

SDG I.D.: GAR61953

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
1,4-Dichlorobenzene	ND	104	102	1.9	103	90	13.5
2,2-Dichloropropane	ND	90	83	8.1	66	55	18.2
2-Chlorotoluene	ND	96	97	1.0	96	86	11.0
2-Hexanone	ND	82	84	2.4	79	94	17.3
2-Isopropyltoluene	ND	105	105	0.0	103	90	13.5
4-Chlorotoluene	ND	101	100	1.0	97	90	7.5
4-Methyl-2-pentanone	ND	74	75	1.3	79	79	0.0
Acetone	ND	85	84	1.2	<30	<30	NC
Acrylonitrile	ND	78	77	1.3	60	60	0.0
Benzene	ND	95	96	1.0	97	91	6.4
Bromobenzene	ND	96	96	0.0	95	89	6.5
Bromochloromethane	ND	88	85	3.5	82	81	1.2
Bromodichloromethane	ND	99	97	2.0	89	92	3.3
Bromoform	ND	118	112	5.2	103	110	6.6
Bromomethane	ND	92	88	4.4	74	76	2.7
Carbon Disulfide	ND	80	78	2.5	79	75	5.2
Carbon tetrachloride	ND	115	110	4.4	82	85	3.6
Chlorobenzene	ND	99	97	2.0	100	93	7.3
Chloroethane	ND	82	81	1.2	78	73	6.6
Chloroform	ND	92	87	5.6	87	84	3.5
Chloromethane	ND	<70	<70	NC	64	60	6.5
cis-1,2-Dichloroethene	ND	89	88	1.1	87	80	8.4
cis-1,3-Dichloropropene	ND	83	82	1.2	91	90	1.1
Dibromochloromethane	ND	108	106	1.9	105	102	2.9
Dibromoethane	ND	85	78	8.6	78	85	8.6
Dibromomethane	ND	99	92	7.3	95	94	1.1
Dichlorodifluoromethane	ND	110	103	6.6	86	84	2.4
Ethylbenzene	ND	107	105	1.9	108	97	10.7
Hexachlorobutadiene	ND	117	124	5.8	111	99	11.4
Isopropylbenzene	ND	93	95	2.1	94	83	12.4
m&p-Xylene	ND	110	112	1.8	110	98	11.5
Methyl ethyl ketone	ND	71	74	4.1	34	34	0.0
Methyl t-butyl ether (MTBE)	ND	95	93	2.1	82	91	10.4
Methylene chloride	ND	92	86	6.7	84	80	4.9
Naphthalene	ND	93	91	2.2	99	92	7.3
n-Butylbenzene	ND	106	108	1.9	101	86	16.0
n-Propylbenzene	ND	99	101	2.0	96	85	12.2
o-Xylene	ND	108	106	1.9	111	101	9.4
p-Isopropyltoluene	ND	110	113	2.7	106	91	15.2
sec-Butylbenzene	ND	102	105	2.9	101	87	14.9
Styrene	ND	110	109	0.9	112	106	5.5
tert-Butylbenzene	ND	106	109	2.8	104	89	15.5
Tetrachloroethene	ND	106	106	0.0	118	98	18.5
Tetrahydrofuran (THF)	ND	73	72	1.4	36	50	32.6
Toluene	ND	83	81	2.4	103	84	20.3
trans-1,2-Dichloroethene	ND	94	93	1.1	88	82	7.1
trans-1,3-Dichloropropene	ND	91	89	2.2	84	80	4.9
trans-1,4-dichloro-2-butene	ND	84	79	6.1	56	57	1.8
Trichloroethene	ND	104	103	1.0	104	94	10.1

QA/QC Data

SDG I.D.: GAR61953

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
Trichlorofluoromethane	ND	110	105	4.7	93	87	6.7
Trichlorotrifluoroethane	ND	99	99	0.0	86	85	1.2
Vinyl chloride	ND	82	77	6.3	75	67	11.3
% 1,2-dichlorobenzene-d4	105	99	100	1.0	102	96	6.1
% Bromofluorobenzene	86	110	110	0.0	112	112	0.0
% Dibromofluoromethane	106	107	98	8.8	100	95	5.1
% Toluene-d8	81	83	82	1.2	101	96	5.1
<b>Comment:</b>							
A blank MS/MSD was analyzed with this batch.							
QA/QC Batch 126222, QC Sample No: AR62501 (AR61954)							
<b>Volatiles</b>							
1,1,1,2-Tetrachloroethane	ND	92	92	0.0	101	107	5.8
1,1,1-Trichloroethane	ND	101	98	3.0	96	107	10.8
1,1,2,2-Tetrachloroethane	ND	126	103	20.1	107	111	3.7
1,1,2-Trichloroethane	ND	109	108	0.9	82	80	2.5
1,1-Dichloroethane	ND	104	103	1.0	94	105	11.1
1,1-Dichloroethene	ND	102	98	4.0	104	115	10.0
1,1-Dichloropropene	ND	94	94	0.0	110	106	3.7
1,2,3-Trichlorobenzene	ND	111	111	0.0	110	120	8.7
1,2,3-Trichloropropane	ND	>130	116	NC	111	118	6.1
1,2,4-Trichlorobenzene	ND	107	104	2.8	110	116	5.3
1,2,4-Trimethylbenzene	ND	91	90	1.1	96	102	6.1
1,2-Dibromo-3-chloropropane	ND	89	85	4.6	84	99	16.4
1,2-Dichlorobenzene	ND	106	105	0.9	106	111	4.6
1,2-Dichloroethane	ND	111	111	0.0	101	108	6.7
1,2-Dichloropropane	ND	97	96	1.0	98	103	5.0
1,3,5-Trimethylbenzene	ND	102	86	17.0	94	99	5.2
1,3-Dichlorobenzene	ND	97	96	1.0	100	105	4.9
1,3-Dichloropropane	ND	106	106	0.0	102	104	1.9
1,4-Dichlorobenzene	ND	96	94	2.1	98	107	8.8
2,2-Dichloropropane	ND	90	86	4.5	81	89	9.4
2-Chlorotoluene	ND	106	87	19.7	94	97	3.1
2-Hexanone	ND	94	99	5.2	108	113	4.5
2-Isopropyltoluene	ND	92	91	1.1	98	102	4.0
4-Chlorotoluene	ND	96	94	2.1	101	104	2.9
4-Methyl-2-pentanone	ND	115	113	1.8		73	NC
Acetone	ND	120	128	6.5	103	114	10.1
Acrylonitrile	ND	108	111	2.7	93	107	14.0
Benzene	ND	92	89	3.3	114	109	4.5
Bromobenzene	ND	119	120	0.8	102	108	5.7
Bromochloromethane	ND	110	110	0.0	99	109	9.6
Bromodichloromethane	ND	102	101	1.0	95	101	6.1
Bromoform	ND	104	106	1.9	107	118	9.8
Bromomethane	ND	108	100	7.7	92	103	11.3
Carbon Disulfide	ND	100	96	4.1	108	119	9.7
Carbon tetrachloride	ND	93	91	2.2	95	102	7.1
Chlorobenzene	ND	95	93	2.1	98	101	3.0
Chloroethane	ND	106	99	6.8	98	110	11.5

**QA/QC Data**

SDG I.D.: GAR61953

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
Chloroform	ND	102	100	2.0	93	106	13.1
Chloromethane	ND	125	98	24.2	111	123	10.3
cis-1,2-Dichloroethene	ND	101	99	2.0	107	104	2.8
cis-1,3-Dichloropropene	ND	96	95	1.0	96	102	6.1
Dibromochloromethane	ND	94	94	0.0	98	107	8.8
Dibromoethane	ND	112	114	1.8	88	87	1.1
Dibromomethane	ND	114	116	1.7	109	113	3.6
Dichlorodifluoromethane	ND	81	82	1.2	124	89	32.9
Ethylbenzene	ND	93	89	4.4	99	102	3.0
Hexachlorobutadiene	ND	87	84	3.5	93	102	9.2
Isopropylbenzene	ND	104	101	2.9	96	101	5.1
m&p-Xylene	ND	92	90	2.2	97	102	5.0
Methyl ethyl ketone	ND	120	114	5.1	110	113	2.7
Methyl t-butyl ether (MTBE)	ND	109	111	1.8	105	113	7.3
Methylene chloride	ND	109	112	2.7	90	103	13.5
Naphthalene	ND	108	109	0.9	106	114	7.3
n-Butylbenzene	ND	94	91	3.2	106	113	6.4
n-Propylbenzene	ND	108	98	9.7	97	101	4.0
o-Xylene	ND	110	108	1.8	98	104	5.9
p-Isopropyltoluene	ND	93	90	3.3	98	102	4.0
sec-Butylbenzene	ND	93	90	3.3	103	108	4.7
Styrene	ND	118	114	3.4	102	107	4.8
tert-Butylbenzene	ND	88	86	2.3	95	100	5.1
Tetrachloroethene	ND	92	87	5.6	116	113	2.6
Tetrahydrofuran (THF)	ND	110	105	4.7	93	104	11.2
Toluene	ND	93	91	2.2	100	105	4.9
trans-1,2-Dichloroethene	ND	103	104	1.0	101	111	9.4
trans-1,3-Dichloropropene	ND	101	101	0.0	62	41	40.8
trans-1,4-dichloro-2-butene	ND	108	95	12.8	97	110	12.6
Trichloroethene	ND	95	94	1.1	114	114	0.0
Trichlorofluoromethane	ND	123	114	7.6	108	121	11.4
Trichlorotrifluoroethane	ND	113	107	5.5	108	118	8.8
Vinyl chloride	ND	121	83	37.3	112	124	10.2
% 1,2-dichlorobenzene-d4	106	108	108	0.0	107	107	0.0
% Bromofluorobenzene	101	123	124	0.8	106	108	1.9
% Dibromofluoromethane	113	116	114	1.7	104	108	3.8
% Toluene-d8	98	99	100	1.0	100	101	1.0

QA/QC Batch 126227, QC Sample No: AR62570 (AR61954)

**Volatiles**

1,1,1,2-Tetrachloroethane	ND	96	94	2.1	99	106	6.8
1,1,1-Trichloroethane	ND	109	104	4.7	113	121	6.8
1,1,2,2-Tetrachloroethane	ND	94	93	1.1	97	106	8.9
1,1,2-Trichloroethane	ND	106	100	5.8	101	105	3.9
1,1-Dichloroethane	ND	111	106	4.6	111	116	4.4
1,1-Dichloroethene	ND	116	107	8.1	120	122	1.7
1,1-Dichloropropene	ND	104	97	7.0	114	118	3.4
1,2,3-Trichlorobenzene	ND	98	103	5.0	106	109	2.8
1,2,3-Trichloropropane	ND	109	109	0.0	99	109	9.6

QA/QC Data

SDG I.D.: GAR61953

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
1,2,4-Trichlorobenzene	ND	94	93	1.1	98	104	5.9
1,2,4-Trimethylbenzene	ND	102	99	3.0	106	112	5.5
1,2-Dibromo-3-chloropropane	ND	91	92	1.1	91	99	8.4
1,2-Dichlorobenzene	ND	104	104	0.0	104	110	5.6
1,2-Dichloroethane	ND	110	106	3.7	100	108	7.7
1,2-Dichloropropane	ND	103	98	5.0	103	110	6.6
1,3,5-Trimethylbenzene	ND	102	97	5.0	107	113	5.5
1,3-Dichlorobenzene	ND	108	106	1.9	109	116	6.2
1,3-Dichloropropane	ND	99	97	2.0	100	104	3.9
1,4-Dichlorobenzene	ND	105	101	3.9	106	112	5.5
2,2-Dichloropropane	ND	96	90	6.5	99	102	3.0
2-Chlorotoluene	ND	100	98	2.0	107	112	4.6
2-Hexanone	ND	89	94	5.5	74	90	19.5
2-Isopropyltoluene	ND	105	101	3.9	109	116	6.2
4-Chlorotoluene	ND	102	100	2.0	106	111	4.6
4-Methyl-2-pentanone	ND	100	96	4.1	98	104	5.9
Acetone	ND	100	108	7.7	90	104	14.4
Acrylonitrile	ND	99	97	2.0	91	96	5.3
Benzene	ND	107	102	4.8	107	112	4.6
Bromobenzene	ND	122	120	1.7	108	113	4.5
Bromochloromethane	ND	103	101	2.0	99	103	4.0
Bromodichloromethane	ND	104	100	3.9	101	108	6.7
Bromoform	ND	99	100	1.0	94	96	2.1
Bromomethane	ND	116	109	6.2	114	118	3.4
Carbon Disulfide	ND	106	102	3.8	112	119	6.1
Carbon tetrachloride	ND	106	103	2.9	115	120	4.3
Chlorobenzene	ND	102	99	3.0	105	109	3.7
Chloroethane	ND	118	111	6.1	118	123	4.1
Chloroform	ND	108	105	2.8	109	117	7.1
Chloromethane	ND	>130	>130	NC	122	126	3.2
cis-1,2-Dichloroethene	ND	107	102	4.8	107	110	2.8
cis-1,3-Dichloropropene	ND	92	88	4.4	94	100	6.2
Dibromochloromethane	ND	95	92	3.2	99	103	4.0
Dibromoethane	ND	105	105	0.0	100	104	3.9
Dibromomethane	ND	105	104	1.0	101	108	6.7
Dichlorodifluoromethane	ND	>130	>130	NC	134	>150	NC
Ethylbenzene	ND	102	98	4.0	109	110	0.9
Hexachlorobutadiene	ND	103	98	5.0	110	117	6.2
Isopropylbenzene	ND	117	113	3.5	112	120	6.9
m&p-Xylene	ND	102	99	3.0	107	112	4.6
Methyl ethyl ketone	ND	84	91	8.0	85	90	5.7
Methyl t-butyl ether (MTBE)	ND	104	104	0.0	93	98	5.2
Methylene chloride	ND	109	111	1.8	101	106	4.8
Naphthalene	ND	78	82	5.0	84	91	8.0
n-Butylbenzene	ND	107	101	5.8	115	123	6.7
n-Propylbenzene	ND	116	111	4.4	114	121	6.0
o-Xylene	ND	123	118	4.1	106	110	3.7
p-Isopropyltoluene	ND	107	103	3.8	111	120	7.8
sec-Butylbenzene	ND	103	101	2.0	114	121	6.0

QA/QC Data

SDG I.D.: GAR61953

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
Styrene	ND	124	122	1.6	107	108	0.9
tert-Butylbenzene	ND	101	96	5.1	109	115	5.4
Tetrachloroethene	ND	105	100	4.9	119	130	8.8
Tetrahydrofuran (THF)	ND	93	93	0.0	90	93	3.3
Toluene	ND	100	96	4.1	104	108	3.8
trans-1,2-Dichloroethene	ND	114	108	5.4	113	118	4.3
trans-1,3-Dichloropropene	ND	98	98	0.0	96	101	5.1
trans-1,4-dichloro-2-butene	ND	86	86	0.0	84	93	10.2
Trichloroethene	ND	104	99	4.9	111	112	0.9
Trichlorofluoromethane	ND	>130	123	NC	126	137	8.4
Trichlorotrifluoroethane	ND	124	118	5.0	119	129	8.1
Vinyl chloride	ND	121	124	2.4	131	129	1.5
% 1,2-dichlorobenzene-d4	100	99	101	2.0	99	100	1.0
% Bromofluorobenzene	80	120	121	0.8	100	102	2.0
% Dibromofluoromethane	105	106	103	2.9	101	100	1.0
% Toluene-d8	97	97	98	1.0	98	98	0.0

3 = This parameter is outside laboratory ms/msd specified limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Phyllis Shiller, Laboratory Director  
May 11, 2009



# CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040  
 Email: service@phoenixlabs.com Fax (860) 645-0823

Client Services (860) 645-8726

Temp 60 Pg 1 of 2

**Data Delivery:**

Fax #: \_\_\_\_\_  
 Email: PHOENIX@VIB.COM

Project P.O.: 41426  
 Phone #: 860 632-1500  
 Fax #: \_\_\_\_\_

Customer: JHS, INC  
 Address: 54 TURTLE PLACE  
MIDDLETON, CT

Project: ENVIRIDE LANDFILL / 140.145524  
 Report to: PHIL RIDEL  
 Invoice to: PHIL RIDEL

Client Sample - Information - Identification  
 Sampler's Signature PNR Date 4/28/09

**Matrix Code:**  
 DW=drinking water WW=wastewater S=soil/solid O=other  
 GW=groundwater SL=sludge A=air

Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	Analysis Request													
Ce1953 ✓	MW-30	GW	4/28/09	1:45	X	X	X	X	X	X	X	X	X	X	1	2	1	2
Ce1954 ~	MW-31S			2:12														
Ce1955 ~	MW-33			1:15														
Ce1956 ~	MW-36			3:00														
Ce1957 ~	MW-41S			10:18														
Ce1958 ~	MW-41D			10:13														
Ce1959 ~	MW-41B			10:05														
Ce1960 ~	MW-42S			10:55														
Ce1961 ✓	MW-42S D/P			10:55														
Ce1962 ~	MW-43S			11:45														
Ce1963 ~	MW-43D			11:35														
Ce1964 ~	MW-44D			12:30														

Requisitioned by: Phil R. Accepted by: Phil R. Date: 4/29/09 Time: 10:25  
Phil R. Accepted by: Phil R. Date: 4/29 Time: 17:00

<b>Turnaround:</b>	<b>CT/RI</b>	<b>MA</b>	<b>Data Format</b>
<input type="checkbox"/> 1 Day*	<input type="checkbox"/> RCP Cert.	<input type="checkbox"/> MCP Cert.	<input checked="" type="checkbox"/> Excel
<input type="checkbox"/> 2 Days*	<input type="checkbox"/> GW Protect.	<input type="checkbox"/> GW-1	<input checked="" type="checkbox"/> PDF
<input type="checkbox"/> 3 Days*	<input type="checkbox"/> GA Mobility	<input type="checkbox"/> GW-2	<input type="checkbox"/> GIS/Key
<input checked="" type="checkbox"/> Standard	<input type="checkbox"/> GB Mobility	<input type="checkbox"/> GW-3	<input type="checkbox"/> EQuIS
<input type="checkbox"/> Other	<input type="checkbox"/> SW Protect.	<input type="checkbox"/> S-1	<input type="checkbox"/> Other
<b>* SURCHARGE APPLIES</b>		<input type="checkbox"/> Res. Vol.	<input type="checkbox"/> S-2
		<input type="checkbox"/> Ind. Vol.	<input type="checkbox"/> S-3
		<input type="checkbox"/> Res. Criteria	<input type="checkbox"/> MWRA eSMART
		<input type="checkbox"/> Other	<input type="checkbox"/> Other

Comments, Special Requirements or Regulations:  
 State where samples were collected: CT

<b>Data Package</b>
<input type="checkbox"/> ASP-A
<input type="checkbox"/> NJ Reduced Deliv. *
<input type="checkbox"/> NJ Hazsite EDD
<input type="checkbox"/> Phoenix Std Report
<input type="checkbox"/> Other



# CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040  
 Email: service@phoenixlabs.com Fax (860) 645-0823

Client Services (860) 645-8726

Temp 64 Pg 2 of 2

## Data Delivery:

- Fax #: \_\_\_\_\_
- Email: \_\_\_\_\_

Customer: JHB, INC  
 Address: 54 NILE RDCE  
HOLLOWELL

Project: ENVIRITE LANDFILL THOMASVILLE  
 Report to: PHIL RISCH  
 Invoice to: PHIL RISCH

Project P.O.: 4426  
 Phone #: 860 632-1500  
 Fax #: \_\_\_\_\_

## Client Sample - Information - Identification

Sampler's Signature PMR Date 4/28/09

**Matrix Code:**  
 DW=drinking water WW=wastewater S=soil/solid O=other  
 GW=groundwater SL=sludge A=air

Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled
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019105	MN-4AB	GW	4/28/09	12:50
019106	TRIP BLANK			
019107	FIELD BLANK			
019108	EQUIPMENT BLANK			
019109	SW-UP		" 3:15	X X X X X X X
019110	SW-DW		" 3:30	X X X X X X X

## Analysis Request

N <sub>3</sub> TOC	TOTAL TURBID	PARTICLE COUNT	CHLORIDE	CLARIFIER	SULFATE	DISSOLVED OXIDE	DISSOLVED NITRATE	DISSOLVED SODIUM	DISSOLVED CHLORIDE	DISSOLVED BISULFATE	DISSOLVED HCl	DISSOLVED H <sub>2</sub> SO <sub>4</sub>	DISSOLVED HNO <sub>3</sub>	DISSOLVED NaOH	Bacteria Bottle
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X X X X X X X																
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					X											
						X										
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											X					
												X				
													X			
														X		
															X	
																X

Requisitioned by:

mitch.

Accepted by:

Phil Risch

Date:

4/29/09

Time:

10:25

Turnaround:

- 1 Day\*
- 2 Days\*
- 3 Days\*
- Standard
- Other

\* SURCHARGE APPLIES

CT/RI

- RCP Cert.
- GW Protect.
- GA Mobility
- GB Mobility
- SW Protect.
- Res. Vol.
- Ind. Vol.
- Res. Criteria
- Other

MA

- MCP Cert.
- GW-1
- GW-2
- GW-3
- S-1
- S-2
- S-3
- MWRA eSMART
- Other

Data Format

- Excel
- PDF
- GIS/Key
- EQuIS
- Other

Data Package

- ASP-A
- NJ Reduced Deliv. \*
- NJ Hazsite EDD
- Phoenix Std Report
- Other

Comments, Special Requirements or Regulations:

State where samples were collected: CT